

Daniel Ram

Senior Software Engineer

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Summary

Experienced web developer with a focus on frontend and backend web development, highly experienced in React as well as backend technologies such as NodeJS, Python, MongoDB, SQL and AWS. Familiar with W3C standards to build modern web applications. Routinely uses the GIT distributed version control system to manage development of projects and code repositories. Implements unit tests through use of Google Puppeteer and Jest. Experienced with agile techniques to complete feature driven development cycles. Willingness to work in teams driven development and also has the capacity to self-manage projects in sole developer environments. An active member of online training platforms and is a lifelong learner in the field of software development. Enjoys progressing through technically challenging problems and has demonstrated the ability to deconstruct complex projects into manageable deliverable features and deployments and synthesize new solutions. Future learning goals include AI, machine learning and neural networks.

Technical Skills

Front-end Web Development:

- Routinely develops front-end web applications React, Angular, CSS3 and HTML5.
- Writes JavaScript / TypeScript code in ES6+ and compiles down to ES5 for browser compatibility with Babel.
- Implements test driven development with Google Puppeteer & Jest.
- Experienced in the role as a front end application architect
- Familiar with Retool, Bubble.io and Firebase for fast web application development

Back-end Web Development

- Experienced in using and deploying NodeJs / Nest Js applications with ExpressJs framework & GraphQL.
- Knowledgeable in CRUD operations with MongoDB, DynamoDB & Postgresql.
- Familiar working in Java / IntelliJ / Spring Boot environments
- Implements use of object oriented design patterns to handle complex server operations
- Familiar with OAuth / JWT token based user authentication practices.

DevOps / CI CD

- Uses and implements AWS Pipeline, CodeBuild and CodeDeploy to create CI/CD deployments
- Develops custom docker images for customized solutions for microservices and landing pages
- Familiar and experienced with AWS cloud technology such as CDK, EC2, Route53, Load balancing and integration within the AWS infrastructure.

Other Software / Related Skills

- Knowledgeable in cybersecurity standards for prevention, identification, containment and recovery.
- Experienced with data science methodologies and technology standards to build predictive models.
- Uses GIT version control system to manage code repositories and deploy deliverables.
- Builds local development environments with Docker and Docker Compose.
- Familiar with mobile development in Kotlin Multi Platform, Android Studio and Swift

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Experience Summary

Most Related Experience

Dometic: Marine

Lead Senior Software Engineer

December 2023 - August 2024

<https://www.dometic.com/en/outdoor/activities/marine>

Dometic Group is a Swedish company that manufactures a variety of products, notably for the outdoor, recreational vehicle, marine, and hospitality industries in the areas of Food & Beverage, Climate, Power & Control, and other applications. It operates in the Americas, EMEA and Asia

- Architected frontend mono repo for various future marine based web applications using NX monrepos, NodeJs, React and Typescript as well as LLMs to develop dynamic components from design models
- Used IPC protocol within the electron client/server environment to handle live communication between the client and virtualized boat components/instruments/devices.
- Interfaced with hardware devices using MDNS communication protocols through NodeJs for interactions with frontend applications written in React and ElectronJS and ECMAScript 2023.
- Developed a simulated MFD display backend using Electron/NodeJs/ExpressJs, MongoDB, and Docker.

Quest Integrity: Rainer

Senior Frontend Software Engineer

March 2024 - July 2024

<https://www.questintegrity.com/industry-solutions/pipeline/>

Quest Integrity is a global leader in the development and delivery of asset integrity and reliability management services. The technology developed at Quest Integrity enables inspection of extremely challenging pipelines to help deliver increased uptime and improved production at lower costs.

- Developed and maintained highly testable and performant NextJS React Typescript components used for analyzing diagnostic data sets captured from physical pipes used in the oil industry to determine pipeline health and degradation.
- Implemented the use of SciCharts in our project which can render millions of rows of data into graphical charts without compromising frontend performance due to the use of WebGL under the hood.
- Implemented the use of Tan Stack's React Query, React Table to create infinitely scrolling and virtualized tables of large datasets

Athabasca University

Lead Fullstack Senior Software Engineer

July 2023 - Apr 2024

<https://www.athabascau.ca/index.html>

Athabasca University is Canada's Open University, offering open and flexible distance learning with world-class online courses, undergraduate and graduate degree programs, and professional development options.

- Architected a backend REST API application in NodeJS/NestJS/ECMAScript 2023 that generates CSV artifacts that are sent to destination services for processing.
- Created the local docker and docker-compose environments with full integration between the API services, Postgres DB and Cron jobs.
- Utilized AWS SDK & AWS CDK to build and deploy a Node JS / NestJS App to the cloud.
- Designed and implemented the database schema and entity relationships for a Postgres database.
- Interfaced with multiple Java based applications and debugging Java code for modernization

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Other Experience

BC Government: Gambling Support BC

Senior Frontend Software Engineer

October 2024 - January 2025

<https://www.gamblingsupportbc.ca/>

Gambling Support BC's goal is to ensure that every resident of British Columbia has access to the necessary tools and support services they need to make informed decisions about gambling, all at no cost. They are dedicated to empowering individuals with the knowledge and resources they need to navigate gambling choices confidently and to access support.

- Developed pages and features of a dockerized Angular web application that consists of allowing users to track their activities, record hours of work, related expenses and travel costs associated with offering gambling support.
- Conducted code reviews of pull requests submitted by other team members on github.
- Provided technical advice and suggestions to business stakeholders on features being proposed for development.

DNT Signals FX.

Lead Fullstack Senior Software Engineer

March 2022 - May 2023

<https://www.dntventuresinc.com/>

DNT Signals FX is a business under the DNT Ventures Inc company. DNT Ventures Inc. is a Vancouver BC venture capital firm dedicated to developing and supporting groundbreaking projects in a diverse range of industries which include DNT Signals FX, a fintech startup company that specializes in developing AI based trading algorithms in various commodity / currency markets.

- Developed data analysis algorithm using statistical methods to identify optimal trading patterns from historical price data within the Pinescript 5 language on the tradingview platform.
- Developed a RESTful API in NodeJS/Typescript that would act as webhooks for various trading algorithms and execute trade plans based on parameters posted to the REST API webhook.
- Designed and implemented the database schema for PSQL database in AWS to capture data and trade information.
- Deployed containerized Postgres docker containers to AWS EC2 instances and configured security groups for secured authenticated access.

IQGEO UK Ltd.

Fullstack Senior Software Engineer

May 2022 - May 2023

<https://www.iqgeo.com/about-usw.iqgeo.com/about-us>

IQGEO, Geospatial productivity & collaboration software headquartered in Cambridge, UK with regional offices in Germany, Belgium, North America and Japan has an established and rapidly growing customer base with more than 450 telecom and utility companies worldwide and helps utility companies and their stakeholders to accelerate productivity and collaboration across their business.

- Developed front-end code solutions for an MVP IQGEO application in React JS and in a custom proprietary MVC frontend library also using Google Maps API
- Assisted in backend solutions by developing PSQL queries and updating the Python API code to send related data to the front-end application.
- Assisted in analysis and planning development work in an agile environment.

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Hitachi ABB Power Grids is a pioneering technology leader in digital technologies in the energy industry. They specialize in advanced automation systems and open digital platforms that can transform customer businesses and deliver significant operational and business value. Hitachi's digital platforms bring power grids into the age of the sustainable energy future. These digital solutions are making the world's power grids stronger, smarter and greener. The result is grids that are more reliable, intelligent and focused on a sustainable energy future for all.

- Architected, developed, maintained, documented and tested reusable react UI components for use across a wide variety of digital applications.
- Developed, debugged and maintained front-end UI codebase of web components in React and Ty.
- Routinely utilized Jira and Agile methodologies for feature driven development for on time deliverables.
- Coordinated with backend engineers on data structures and api contract be utilized by front end engineers.
- Held technical meetings and demonstrations of web software architecture that would be implemented by various teams in the organization.

Domain 7 / Deloitte / Public Health Agency of Canada - VaccineConnect**Lead Fullstack Senior Software Engineer****May 2021 - Oct 2022**

The Public Health Agency of Canada has purchased an IT system called VaccineConnect developed by Domain 7 and Deloitte. This system manages nationwide vaccination administration programs. This includes the COVID-19 vaccine rollout. The system can connect federal, provincial and territorial digital networks to ensure public health can meet future challenges. It manages vaccine ordering, reporting, allocation and inventory. VaccineConnect works with provincial and territorial IT systems and processes. It provides information and support to provinces and territories for planning, management and reporting. The system also provides analytics to enhance population health management. This function will help public health decision makers in Canada plan for future epidemics and pandemics early on.

- Extended, re-architected and refactored the front-end web application in ReactJS for scalability, maintainability and performance to meet SLA requirements.
- Designed and implemented React components that are highly configurable, testable and reusable.
- Assisted DevOps in managing authentication through cognito, deployments through code deploy and provided technical guidance on other cloud based infrastructure decisions.
- Developed backend API in AWS Lambda / API Gateway for various environments

NTT Data / BC Corrections - CCCM - Community Corrections Case Management**Frontend Software Engineer****June 2022 - Oct 2022 (Contract)**

NTT Data is a technology company that is responsible for assisting BC Corrections in continuing its mandate to provide secure custody for individuals awaiting trial as well as for individuals serving sentences of less than two years by developing a case management system with modern technologies and architecture that enables field officers the capacity to conduct their work through a fast, responsive and highly usable web interface that often replaces the need for physical form or records.

- Assisted in customizing form.io components with the use of extensible CSS solutions.
- Assisted in resolving JavaScript bugs.
- Worked with project leads to determine the requirements needed for the responsive mobile website.
- Worked with peer engineers to resolve any regression bugs resulting from code change.

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NCR Corporation**Front End Senior Software Engineer****January 2022 - June 2022**<https://www.ncr.com/>

NCR Corp. is an American software, consulting and technology company providing several professional services and electronic products in the banking and financial sector. It manufactures self-service kiosks, point-of-sale terminals, automated teller machines, cheque processing systems, and barcode scanners.

- Designed and developed reusable React components used in a common shared organization library.
- Diagnosed, debugged and resolved software bugs in the front end web application for transactions.
- Liaise with peer engineers, designers and leads in Agile driven design meetings for tacet coordination on best practice development.
- Advised, consulted and suggested various technical /process changes for industry best practice for modern, scalable, maintainable code base development.

Within 3 / Rmarkbio**Front End Senior Software Engineer****September 2021 - January 2022**<https://within3.com/>

Within3 is a Seattle based software analytics company that offers a complete insights management platform for every kind of life science company to draw observations from the use of machine learning algorithms run on pharmaceutical insight data. The platform was purchased by Within 3 and was formerly known as reMark Bio.

- Developed, debugged and architected UI features React with modern web standards.
- Maintained various backend changes in GraphQL / NodeJS.
- Worked within a containerized environment with Docker & Docker Compose for local development.
- Implemented extensive unit testing coverage on components and fixes worked on.

Simple Lease (Spacelist)**Lead Front End Senior Software Engineer****Mar 2021 - July 2021**<https://simplelease.co/>

Simple Lease is a Vancouver based company offering a SAAS product that aims to simplify the commercial real estate leasing by offering an online platform to handle the document creation, deal collaboration and lease management processes of commercial real estate leasing.

- Architected, developed, maintained and documented custom code plugins for the ckeditor 5 wysiwyg editor.
- Developed, debugged and maintained front-end UI codebase of web components in React.
- Routinely utilized Jira and Agile methodologies for feature driven development.

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REEF Technology**Front End Senior Software Engineer****November 2020 - March 2021**<https://reeftechnology.com/>

REEF Technology transforms underutilized urban spaces into neighborhood hubs that connect people to locally curated goods, services, and experiences. With an ecosystem of 4,500 locations and a team of 15,000 people, REEF is the largest operator of mobility, logistics hubs, and neighborhood kitchens in the United States, Canada, and has a growing presence in Europe.

- Developed, debugged and maintained front-end UI codebase of web components in React, React Material-UI and with TypeScript for client facing dashboard application.
- Front-end and backend integration of GraphQL specification with Apollo.
- Coordinated with UI / UX to achieve desired business objectives for front-end UI development.
- Coordinated with backend engineers on data structures and api contracts on customer data that would be utilized by front end engineers.

XPO Tech (Contract)**Lead Senior Front End Software Engineer****October 2020 - November 2020**<https://web.joeypay.com/>

XPO Tech is a Vancouver tech start-up focused on the restaurant / food service industry in developing dining web applications that focus on streamlining ordering processes for in-dining as well as take-out and delivery services by integrating payment processing and third-party APIs.

- Developed and implemented new UI / UX features in Angular 10.
- Refactored and re-architected application code and components to meet modern industry standards
- Introduced the presentational / smart component hierarchy

Trust Arc**Front End Software Engineer****July 2019 - October 2020**<https://trustarc.com/>

Started industry-leading privacy certifications to build consumer trust across websites, mobile apps and the cloud. Pioneered using SaaS technology starting in 2010 to operationalize privacy management for consent, privacy assessments, data inventory and introduced privacy intelligence into their platform in 2018 to simplify compliance management for the GDPR, CCPA and hundreds of other global regulations.

- Developed, debugged and maintained front-end UI codebase of web components in Angular 7 with TypeScript for client facing dashboard application.
- Routinely utilized Jira and Agile methodologies for feature driven development.
- Coordinated with UI / UX to achieve desired business objectives for front-end UI development.
- Coordinated with backend engineers on data structures and api contracts on customer data that would be utilized in the front-end application

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Venzee

Senior Software Engineer /Lead Front-end Architect

November 2018 - July 2019

<http://venzee.com>

Venzee overcomes the challenge of content distribution with minimal resources. Venzee replaces manual data distribution with system-to-system automation, processing data that originates from manufacturer clients and distributing it to retailers, marketplaces, and ecommerce platforms.

- Architected frontend React, Redux, React-Saga application and trained junior developers on best practices for modern front-end application standards.
- Developed customized and complex UI requirements from UX teams into deliverables and trained junior developers on use and methodology to reiterate process across front-end applications.
- Architected and developed custom JIRA Atlassian Connect application to assist in customer success workflows by generating issue tickets through use of event driven webhooks in 3rd party platforms.

The Perk

Senior Software Engineer / Backend Architect

November 2018 - June 2019

<http://getperk.co>

The Perk assists in business employee retention, engagement and culture. This is achieved by giving employees a consolidated platform that offers a modern and user friendly interface to access perks and experiences they are excited to use; all accessed through a single mobile, card and web-based system.

- Architected and developed backend application in NodeJS, GraphQL, Knex, Bookshelf, Passport and integrated with 3rd party APIs and utilized AWS resources such as RDS, Route53, S3, EC2 for infrastructure requirements. .
- Architected and developed the continuous integration pipelines through Circle CI, Docker and utilized AWS ECS for container services along with Github for deployments.
- Developed and managed integrations with Stripe for payment processing and updates to account ledgers in database.
- Architected and developed the backend technology to handle financial transactions, ledger updates for the platform.

Textclub Nation

Senior Software Engineer

April 2018 - November 2018

<https://textclubnation.com/>

Text Club Nation is a Richland, WA business that makes it easy for businesses to use the power of text marketing to build & promote their business. They have over 20 years of marketing experience with small and locally owned businesses, breweries & wineries throughout the Northwest.

- Refactor & configure PHP / Phalcon Docker application for easy deployments
- Integrate third party APIs such as Twilio for SMS messaging
- Modify existing cron jobs and also re-configure for use in local development
- Configure Apache server for development & production environments
- Integrate AWS Services such as RDS into development environments through docker & docker-compose
- Update SQL tables to match new data models and ORM requirements
- Deploy development, staging and production builds to AWS

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QASE

Performance Test Engineer

<http://www.qase.ca/>

April 2018 - September 2018

Solvere is an innovative online platform to connect people who need and want legal expertise with qualified lawyers who can provide quality, cost-effective legal services, headquartered in Coquitlam, British Columbia.

- Performance Engineering - Develop baseline performance tests for integrated APIs along with designing the performance accept criteria, workload specifications and user behaviour patterns for beta application
- Conduct load tests and provide analysis and reporting to team on performance results. Assist in tuning and finding performance improvements within the codebase.

Singlecomm / DevSelect

Senior Software Engineer & Full Stack Developer

<https://www.singlecomm.com/>

April 2018 - September 2018

SingleComm is a contact center technologies solution provider located in Seattle, Washington. Utilizing the latest development tools, they create intuitive solutions to better enhance the inbound and outbound multichannel customer engagement initiatives for businesses.

- Developed and debugged various Angular 5 & 6 code as well as refactored legacy code to modern standards.
- Dev Ops - Provided AWS services integration and technical support / guidance on deployment processes.
- Jenkins CI / CD - Automated build process of docker swarm cluster formations and service deployments through build triggers and pipeline scripts. Scripted various requirements through bash and shell commands to assist in build steps.
- Docker / Docker Swarm Solutions - architected, developed & deployed solutions in container and clustered environments.
- Architected, developed, tested and assisted in deployment of application service clusters with RAFT consensus algorithms to provide high availability and prevent failure.
- Assisted in simplifying application architecture design and refactoring front and backend code for performance, readability and management

Ritchie Bros. Auctioneers

Front-End Web Developer

<https://www.rbauktion.com/>

October 2017 - April 2018

Established in 1958, Ritchie Bros. (NYSE and TSX: RBA) is a global asset management and disposition company, offering customers end-to-end solutions for buying and selling used heavy equipment, trucks and other assets.

- * Configured and released the local development environment for front-end devs with Webpack 3 when none existed.
- * Developed scalable and testable components in React. Upgraded company's React version to React 16.2.
- * Used react-redux routinely with react-saga to handle application state updates and mutations with scalability in mind.
- * Refactored legacy code through technical analysis, synthesis of solutions with testability & performance as a priority.
- * Introduced company to typical code patterns that follow trusted industry standards.

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DNN Corp is a full-suite web CMS built in C# and modern JavaScript with React. DNN provides a suite of solutions for creating rich, rewarding online experiences for customers, partners and employees. Products and technology are the foundation for 750,000+ websites worldwide. In addition to the commercial CMS, Evoq, they're also the steward of the DotNetNuke Open Source Project.

- Built interactive front-end UI components from React / JavaScript ES6 / HTML5 & CSS3.
- Ensured implemented web UI matched design from mockups created by lead designer.
- configured Webpack 2 build processes to host development environments, lint code and compile ES6 JavaScript.
- Track and breakdown project deliverables in an agile environment with weekly sprints using JIRA.
- Follow strict coding standards for reusability, testability and scalability.

Addictive Ads

Full Stack Web Developer
<http://www.addictiveads.com/>

November 2015 - April 2017

A Surrey based full service digital CRM based advertising network platform for mobile advertising where I lead frontend and backend development and was responsible for the software architecture and development of a CRM web application that is responsible for facilitating ad serving to mobile devices in various geo-locations that can also track clicks and attribute conversions under 100 milliseconds by keeping database queries and applications processes fast, responsive and a low cost. I also worked in a team to develop a manageable, scalable and secure Angular front-end application for both self-serve advertisers and administrative activities to facilitate ad campaigns and handle reporting and budgets. I independently developed a series of microservice applications written in NodeJS/RxJS that handle the automated tasks of querying RESTful API services for handling operations for mobile advertising such as managing conversions and active offer management and other administrative tasks.

- Designed and built a NodeJS/Express/RxJS/MongoDB/Docker Application on AWS infrastructure that can handle 20,000 requests per minute and is scalable for more traffic through horizontal scaling deployments.
- Built series of console based microservice automated web applications that integrate with multiple APIs over a RESTful architecture to handle a series of common administrative tasks with mobile advertising.
- Strategized independently to build the base structure of the front-end application and trained developers on security practices, modular based code and on how to use the Angular 1 & 2 Framework.

Iamota (Contract)

MEAN Full Stack Web Developer

June 2015 - August 2015

<http://iamota.com/>

A Vancouver based full digital agency focused on developing web and graphic designs for popular brands where I was responsible for and developed Angular 1.x store locator applications that leveraged both frontend and backend technology.

- Developed a reusable store locator application that was deployed to clients of the company in Angular 1.x with use of Browserify for modularity.
- Developed a REST API for creation and management for store locations and utilized the AWS Dynamo DB NO SQL database to store and retrieve data by the store locator application.
- Assisted with completing JavaScript and SASS bug fixes for existing client websites that were tracked in JIRA.

Shift Audio Lab (Open Source Project / Contract)

Lead Full Stack Web Developer and Designer

April 2015 - June 2015

www.shiftaudiolab.com

A Vancouver based open source project that brings post audio production to modern web browsers and leverages the Web Audio API, ECMAScript 2015 implements highly interactive user interface designs.

- Writes code ECMAScript 2015 standards and compiles down to ES5 for compatibility in present browsers.
- Leading development of an open source JavaScript framework for building applications with the Web Audio API.
- Leverage the use of the most modern front-end frameworks for both JavaScript and CSS to build reusable UI.
- Manages and updates the remote github repository for public / community contribution to the code base.

Freelance Web Developer and Designer

January 2013 – February 2015

Education & Continuous Learning

IBM Data Science Professional Certificate Program

Feb-2025-July 2025

<https://www.coursera.org/account/accomplishments/professional-cert/EWOP9DA3EYTT>

Foundations of Cybersecurity Certificate

June 2023

www.coursera.org

Vancouver Film School – Sound Design for Visual Media Diploma

December 2014

<https://vfs.edu/>

Egghead.io

May 2015 - Present

Continuous Online Web Development Education

PluralSight – Online Web Development & IT learning

May 2015 - Present

Continuous Online Web Development Education