

Nicholas DiMartino

Full-Stack Software Engineer

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Full-Stack Software Engineer with previous experience as an Embedded Software Engineer. I have a knack for creating highly organized, structured, and detail-oriented code. With grit and professionalism instilled in me during Air Force Basic Training, I tackle challenges with a positive, focused mindset.

SKILLS

Languages - TypeScript, JavaScript ES6, Python, Tailwind CSS, CSS3, HTML5, EJS, C++

Libraries and Frameworks - React, Node, Express, Django, Mongoose, Jest

Databases - MongoDB (Non-Relational/NoSQL), PostgreSQL (Relational/SQL)

Other - Git, AWS, RESTful API, OAuth, Postman, IBM ClearCase, IBM Rhapsody

PROFESSIONAL EXPERIENCE

Software Engineer 3, General Dynamics Missions Systems | Dedham, MA

December 2021 - December 2023

- Created procedural and troubleshooting guides to narrow the knowledge disparity between seasoned and junior engineers. Leveraging expertise in a specialized product domain, I mentored new team members through the procedures, leading to accelerated onboarding and enhanced system comprehension among the engineering team.
- Designed a VLAN feature utilizing event-driven software and cryptographic principles to serve as an intermediary between two interfaces. This innovation facilitated efficient communication of network traffic between the user interface and the network interface, enhancing overall functionality.
- Managed version control of C++ source code and packages to incorporate new features while preserving existing functionality within an embedded RTOS environment.
- Adhered to Agile/Scrum methodology and employed CI/CD practices to guarantee prompt delivery of software projects, utilizing IBM ClearCase for version control.
- Conducted reviews aimed at enhancing code quality and ensuring compliance with stringent security standards.

Software Engineer Intern, Wilcox Industries | Newington, NH

May 2019 - September 2019

- Collaborated on a small team to develop a software prototype that effectively showcased the viability of a novel research concept, establishing a foundation for the company to seamlessly continue the project upon our team's departure.
- Designed a unique UI/UX interface utilizing Android Studio, Java, Kotlin, CSS, and HTML to establish connectivity with an external camera via Bluetooth and USB on an Android phone app.

Aircraft Technician, US Air Force - Air National Guard | Westfield, MA

August 2016 - August 2022

- Provided training and mentorship to junior technicians in aircraft maintenance and repair, specializing in F-15 Fighter Jets.
- Successfully completed Air Force Boot Camp and fulfilled a six-year enlistment, earning Veteran status upon separation.

SOFTWARE DEVELOPMENT PROJECTS

February 2024 - Present

TriFit | React, TypeScript, JavaScript ES6, Tailwind CSS, Node, MongoDB, Express, RESTful API, OAuth, Jest, Git, HTML5, CSS3

- Github Link: github.com/nickldimartino/trifit
- Built a single-page application (SPA) using the MERN Stack, incorporating full CRUD operations and a RESTful API, alongside user authentication and authorization functionalities.
- Leveraged Tailwind CSS to create a polished and adaptable User Interface (UI) that enhances User Experience (UX).

Battleship 2 | TypeScript, JavaScript ES6, Node, MongoDB, Express, OAuth, Axios, Postman, HTML5, CSS3, EJS

- Github Link: github.com/nickldimartino/battleship-two
- Redesigned my initial project for General Assembly to incorporate a backend server and user leaderboards.
- Received review for "exceptionally organized given the amount of code."

AI Platforms: A CRUD-ton! | JavaScript ES6, Node, MongoDB, OAuth, Jest, RESTful API AI Chatbots, Postman, HTML5, CSS3, EJS

- Github Link: github.com/nickldimartino/AI-Platforms-List-CRUD
- Created an application with a list of AI Platforms, enabling users to log in and curate their personalized favorites list.
- Incorporated RESTful API requests to Groq, OpenAI, Langchain, and LlamaIndex to integrate AI Chatbots into the application.

EDUCATION

General Assembly | Remote

Software Engineering Bootcamp

January 2024 - May 2024

University of Massachusetts - Amherst | Amherst, MA

Bachelor's of Science in Computer Engineering

August 2016 - May 2021

CERTIFICATIONS

AWS Cloud Practitioner: Foundational

Amazon Web Services (AWS)

April 2024 - April 2027