

# Prudhvi Charan P

816-762-8317 | bunnycharanprudhvi@gmail.com | linkedin.com/in/prudhvi-charan/ | github.com/Prudhvicharan

## Summary

---

Accomplished **Full Stack Developer** with over 3 years of experience in building and optimizing enterprise-level applications with a focus on responsive and interactive web interfaces using Angular, React, HTML, CSS, SASS, TypeScript, and JavaScript. Directed the delivery of **REST API integrations** and microfrontend projects, improving system performance and reducing development time. Collaborated with cross-functional teams to boost **CI/CD efficiency**, delivering high-quality applications across 5 projects. Proficient in developing responsive web applications optimized for tablets, **mobile web**, and browser environments using **Angular Material** and **CSS frameworks**, with proven success in **scalable, user-centric solutions** that enhanced customer satisfaction.

## Technical Skills

---

**Languages:** Python, JavaScript(ES6+), TypeScript, Java, C#, SQL, HTML, CSS, Sass/SCSS

**Developer Tools:** npm, Webpack, VS Code, Jira, Postman, CAST, PuTTY, SonarLint, SonarQube, UNIX Commands

**Technologies/Frameworks:** Angular, Angular Material, AG Grid, AngularJS, React, Vue.js, Node.js, RxJS, Express.js, Bootstrap, jQuery, Responsive Design, Microservices, GraphQL, Spring Boot

**Database Technologies:** MySQL, PostgreSQL, MongoDB

**Testing:** Jasmine, Karma, Jest, Test-driven development for Angular applications

**DevOps:** Git, Github, Gitlab, Jenkins, CI/CD, AWS

**Agile Methodologies:** Scrum, Agile Project Management

**Protocols and Formats:** RESTful APIs, JSON, Requests, sockets, multithreading

## Experience

---

### Software Engineer

06/2021 - 12/2022

Vitrana

Bangalore, Karnataka, India

- Led **microfrontend interactions**, improving system performance by **20%** across 5 enterprise applications.
- Engineered UI and functionality for **WHO Dictionaries**, reducing data entry time by **30%** for 100+ users.
- Developed a customizable **Form Configuration screen** used across 8 projects.
- Resolved critical issues affecting application performance, ensuring **high availability** and maintainability of services.
- Architected **HiLIT**, a healthcare analytics platform with **Spring Boot backend** and **Angular frontend**, reducing adverse event management time by **40%**.
- Led the development of robust unit and integration tests using **Jasmine** and **Karma**, achieving **96% code coverage** and reducing post-deployment bugs by **25%**.
- Developed scalable **REST APIs** using Java, incorporating pagination, sorting, and filtering, improving search efficiency in distributed systems.
- Enhanced performance and scalability of applications by implementing **microservices architecture** and introducing **logging/monitoring tools**.
- Enhanced microservices logging and monitoring using **SLF4J**, **Log4J**, and **Grafana**, reducing issue resolution time.
- Managed **CI/CD pipelines** using **Jenkins** and **Docker**, improving deployment efficiency by **30%** and ensuring zero downtime.
- Implemented **AWS solutions** for scalable back-end services using **EC2** and **S3**, reducing infrastructure costs and increasing system availability.
- Implemented optimizations using **CAST tools**, increasing project efficiency by **80%**.
- Resolved **75+ bugs** in 3 months, improving customer satisfaction and reducing issue turnaround time.
- Followed **Agile methodologies**, participated in daily scrums, sprint planning, and utilized **Jira** to track tasks and resolve issues.
- Collaborated on user stories with Agile teams to enhance the planning and delivery of **SaaS-based solutions** ensuring compliance with industry standards.

### Associate Software Engineer

12/2019 - 05/2021

Vitrana

Bangalore, Karnataka, India

- Built the **HiLIT home screen** using **Angular** and **TypeScript**, integrating **50+ screens** to streamline user navigation and improve maintainability.
- Enhanced **web development** efficiency by leveraging **ES6** features for cleaner and more maintainable code in Angular applications.
- Implemented **ES6 features** such as arrow functions, promises, and async/await across Angular and Node.js projects to improve readability and efficiency.
- Designed and developed scalable and modular front-end **web development** solutions using Angular and TypeScript, enhancing code reusability and performance.
- Redesigning the **MedDRA Dictionary**, managing over **100,000 terms**, improving its usability for international healthcare users.
- Built and deployed **micro-applications** using **Angular**, enabling independent UI deployment, improving code reuse, and boosting user engagement by **40%**.
- Converted monolithic **Spring Boot** apps into **microservices**, improving scalability and maintainability.
- Developed scalable backend services using **Spring Boot** for seamless front-end and back-end communication.
- Streamlined **CI/CD workflows** with **GitLab**, raising test coverage by **20%** using **JUnit/Mockito** and **Zephyr**.
- Reduced code defects by **35%** through reviews, debugging, and enforcing best practices with **SonarQube** and **SonarLint**.

## Projects

---

**Portfolio** | Angular, HTML5, SCSS, TypeScript

[prudhvicharan.github.io/portfolio](https://prudhvicharan.github.io/portfolio)

- Built a personal portfolio website using **Angular**, HTML5, SCSS, and **TypeScript**, showcasing projects and skills to potential employers.
- Developed a fully responsive design, ensuring an optimal viewing experience across devices, improving accessibility.
- Implemented a contact form using EmailJS, providing seamless communication for inquiries and collaborations.

**Deadline Tracker** | Angular, RxJS, Node.js, MongoDB

- Developed a real-time data tracking web app using **Angular**, **RxJS**, and **SASS**, improving data responsiveness for 500+ users.
- Implemented RESTful APIs with **Node.js**, integrated with **MongoDB**, and used JWT-based authentication for security.
- Improved user engagement for the mobile web platform with advanced styling and optimized load times.

## Education

---

**University of Missouri-Kansas City**

*Master of Science in Computer Science*

01/2023 - 05/2024

*Kansas City, Missouri*

**Vellore Institute of Technology**

*Bachelor of Technology in Software Engineering*

06/2016 - 06/2021

*Vellore, Tamil Nadu, India*