

# Prudhvi Charan P

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## Summary

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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, 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, and browser environments using **Angular Material** and **CSS frameworks**, with proven success in **scalable, user-centric solutions** that enhanced customer satisfaction.

## Technical Skills

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

**Developer Tools:** npm, Webpack, Git, Jenkins, VS Code, GitLab, GitHub, Jira, Postman, SonarQube, UNIX Commands

**Technologies/Frameworks:** React + Redux, Angular, Node.js, Express.js, REST APIs, Spring Boot, Microservices

**Databases:** MySQL, PostgreSQL, MongoDB

**Testing Tools:** Jasmine, Karma, JUnit, Mockito

**DevOps:** Docker, Kubernetes, Terraform, Ansible, Jenkins, CI/CD, AWS(EC2, S3, Lambda), GitLab, Grafana, Splunk

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

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

## Experience

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### 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 a **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** and **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.

### 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.

- Implemented **microfrontends** across 7 projects, enhancing code modularity and reuse.
- Redesigned 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

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**Portfolio** | Angular, HTML5, SCSS, TypeScript 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** and **RxJS**, improving data responsiveness for 500+ users.
- Used **AG-Grid** and **Highcharts** to display large datasets and advanced visualizations.
- Implemented RESTful APIs with **Node.js**, integrated with **MongoDB**, and used JWT-based authentication for security.

## Education

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<b>University of Missouri-Kansas City</b>	01/2023 - 05/2024
<i>Master of Science in Computer Science</i>	<i>Kansas City, Missouri</i>

<b>Vellore Institute of Technology</b>	06/2016 - 06/2021
<i>Bachelor of Technology in Software Engineering</i>	<i>Vellore, Tamil Nadu, India</i>