Nipun Manjunath Davasam

Full Stack Engineer | Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience in developing scalable and high-performance web applications and backend services using Java, Python, Spring Boot, and React.js. Proven ability in microservices architecture, RESTful API design, and cloud-native application development on AWS.

SKILLS

Programming Languages: Java, Python, JavaScript
Technical Skills: Data Warehousing, Web Scraping
Web Development: HTML 5, CSS, React.js
Tools and Technologies: Postman, GitHub, JIRA, Jenkins, Docker, Swagger, Azure, Maven, Kafka, Framer
Frameworks: Spring Boot, Junit, Flask
Cloud & Databases: AWS (EC2, S3, RDS), Firebase, MySQL
Certification: AWS Cloud Practitioner

PROFESSIONAL EXPERIENCE

ORACLE CERNER | Bengaluru, Karnataka, India
Software Engineer   *12/2021 - 07/2023*

- Redesigned **backend service** caching mechanism between the service layer and database, integrating **Jenkins** based **CI/CD** pipelines to automate **deployment** and **testing**, reducing release cycles by 25% and improving system performance by 30%
- Redesigned the **UI** of real-time medical data visualization, ensuring 100% visibility of patient vitals. Eliminated previous data loss issues, improving usability for healthcare personnel and hospitals by **60%**
- Classified and rectified **40%** of the code's **CVEs (Common Vulnerabilities and Exposures)** to comply with **federal rules and requirements**
- Collaborated with **designers** & **product managers** to refine **UI/UX** based on user feedback.

INFOSYS | Bengaluru, Karnataka, India
Systems Engineer   *01/2021 - 11/2021*

- Consumed **RESTful APIs** to develop and independently enhance the website's **UI** used by both the **client** and the **organization**.
- Added functionality to the website's UI that allowed users to dynamically create filters based on their needs and view raw data sent by **networking devices**, improving **user satisfaction by 25%**.
- Refactored the **website architecture** to support multiple backend services, improving **code reusability** and reducing onboarding time for new integrations by **40%**

PROJECTS

Integrated Data Warehouse and Web Application Development (Clarkson University)

- Designed and implemented an end-to-end **ETL pipeline**, leveraging Dimensional Database Modeling for seamless data integration.
- Developed a **Flask-based web application** to enable efficient database access and management.
- Optimized **SQL** queries, improving data retrieval **performance** and **analytical** capabilities.

E-Prescription (Oracle Cerner)

- Developed a **React web app,** focusing on reusable UI components, responsive/pixel-perfect design, with a **Spring Boot** backend to streamline prescription record-keeping.
- Improved patient readability by adding dosage, duration, and ingestion time details.
- Enabled dynamic prescription modifications for doctors, ensuring **accuracy** and **flexibility**.

Voice Enabled AI Website

- Developed a web app using **React**, **Spring Boot**, and **AI-powered speech recognition** for voice-based navigation and interaction.
- Integrated **speech-to-text processing** for real-time command execution and text-to-speech feedback for accessibility.
- Optimized for fast, accurate voice interactions using both client-side and backend AI models, deployed on the **cloud for scalability and reliability**.

EDUCATION

Master of Science, Computer Science
Clarkson University, Potsdam, NY   *08/2023 - 05/2025*

Bachelor of Technology, Electronics and Communication
Amrita School of Engineering, Bengaluru, India   *08/2016 - 08/2020*