Jayanth Dondeti

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SUMMARY

Product-focused Software Engineer with hands-on experience building modern, scalable web applications using Python and JavaScript/TypeScript. Proven ability to ship full-stack features that enhance user experience and drive product adoption through cross-functional collaboration. Skilled at prototyping quickly, iterating based on user feedback, and working across the entire stack from frontend UX to backend infrastructure. Thrives in fast-paced, dynamic startup environments where shipping reliable, user-centric software is the priority.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C
Frontend: React, HTML/CSS, Responsive Design, User Experience Optimization
Backend: Node.js, Flask, FastAPI, RESTful APIs
Database & Data: MongoDB, MySQL, JDBC, Data Integration Pipelines
Tools & Infrastructure: Git, Docker (familiar), Socket.IO, Real-time Data Processing
AI & ML: OpenAI API, Machine Learning Algorithms, LLM Integration, Data-Driven Features
Relevant Coursework: Algorithms, Software Engineering, Machine Learning, Computer Networks, DBMS

EDUCATION

University of Georgia   Athens, GA
Master of Science, Computer Science – GPA: 3.77   *Jan 2023 – Dec 2024*

PROFESSIONAL EXPERIENCE

Software Engineer   Apr 2025 – Present
Reality AI Inc   *Remote*

- Develop responsive frontend components using JavaScript, React, and HTML/CSS while integrating RESTful APIs and OpenAI API to deliver seamless, AI-powered user experiences across Marvel AI and Sky AI product initiatives
- Build end-to-end features integrating OpenAI's large language models to generate intelligent insights and automate backend tasks, contributing to scalable AI product development
- Collaborate closely with product and engineering teams to translate ambiguous user needs into production-ready web applications, shipping features quickly through rapid prototyping and iterative development cycles
- Engage directly with users to gather feedback and translate insights into improved product experiences aligned with user adoption goals

Junior Software Engineer   Aug 2022 – Nov 2022
Zensar Technologies   *Hyderabad, India*

- Built real-time data visualization tools using React and Socket.IO that improved operational monitoring capabilities by 30% and ensured cross-browser compatibility for enterprise-scale applications
- Established peer code review processes that elevated code quality, reduced defects by 20%, and fostered collaborative engineering culture aligned with software quality best practices
- Contributed to full software development lifecycle from planning through delivery and iteration, demonstrating strong execution in team-oriented environments

Software Engineer Intern   Jan 2022 – Jun 2022
Zensar Technologies   *Hyderabad, India*

- Automated repetitive workflows by authoring Python scripts, streamlining operations and reducing manual effort by 10 hours weekly
- Conducted rigorous unit testing and participated in code reviews to maintain high software quality standards, contributing to 25% reduction in production bug rates
- Collaborated effectively within cross-functional teams to deliver reliable, tested software on schedule

PROJECTS

Browser-Based Maze Simulation Platform   Aug 2024 – Dec 2024

- Architected and shipped a high-performance, full-stack web application supporting 1,000+ concurrent users, demonstrating scalability and reliability at scale
- Developed custom communication protocol improving multi-robot coordination efficiency by 75% and reducing system conflicts by 90% through data-driven algorithm optimization

- Built intuitive, feature-rich IDE with real-time analytics dashboard and customizable KPIs that increased user productivity by 60%, showcasing strong product engineering sensibility and user-focused design

Multi-Robot Sampling System Jan 2024 – Apr 2024
- Engineered autonomous control algorithms optimizing spatial coverage and sampling efficiency, resulting in 35% improved resource utilization and 40% faster task completion
- Implemented real-time conflict resolution system using intelligent resource allocation, reducing fleet downtime by 45% and increasing operational efficiency by 30%
- Applied data processing techniques and performance optimization to solve complex, distributed system challenges

Cinema E-Booking System Aug 2023 – Nov 2023
- Applied responsive design principles ensuring 100% mobile and desktop compatibility, delivering smooth user experience across all devices
- Integrated RESTful APIs for real-time seat availability and payment processing through close collaboration with backend developers, ensuring end-to-end feature delivery

ADDITIONAL STRENGTHS

Strong written and oral communication skills with ability to engage directly with users for research and feedback. Experience working in fast-moving environments, shipping features iteratively based on user insights. Comfortable working across the full stack from product UX to backend infrastructure. Proactive approach to gathering user feedback and translating insights into improved product experiences. Track record of improving performance, reliability, and user experience through measurable impact.