Sharmila Devarajan

Full Stack Developer | Software Engineer

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SUMMARY

Experienced Software Engineer with Achieving Measurable Results of creating and enhancing scalable applications, leading seamless migration projects, and developing cutting-edge solutions to improve user satisfaction. Proficient in conducting code reviews, fostering collaboration among diverse teams, and driving continuous improvement efforts. Dedicated to delivering superior outcomes that support project success. Seeking a Full Stack Developer role with over 2 years of industry experience

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EXPERIENCE

Software Engineer   January'23- January'25
AVASOFT Inc   Chennai, India

- **Designed and developed** AI-enhanced web applications using **React.js, Python, TypeScript, and PostgreSQL**, accelerating processes and improving user experiences.
- Achieved a **30% increase in user engagement** by implementing AI-driven features, including **chatbots** and **personalized recommendations**, leveraging Machine Learning models.
- **Boosted operational efficiency by 30%** through AI-powered backend optimization, automating workflows and enhancing overall system performance.
- Led **cross-functional collaboration**, reducing Streamlined project schedules by **15%** and increasing client satisfaction by **25%** via seamless AI solution integration.
- Modernized legacy systems with **AI frameworks**, resulting in a **30% performance boost** and optimized the scalability.
- Achieved **90% customer satisfaction** by producing high-quality, AI-driven code, conducting rigorous **unit testing**, and performing comprehensive **code reviews**.
- Architected and deployed **serverless AI-based microservices**, achieving a **25% efficiency improvement** and cutting operational costs.
- Integrated **Machine Learning models** into full-stack applications, reducing deployment time by **40%** using optimized CI/CD pipelines and enhancing system reliability by **20%**.
- Launched **AI-powered chatbots** and personalized, data-driven solutions, significantly improving user interaction and engagement.
- Collaborated with **15+ stakeholders** to define project requirements, resulting in the delivery of **three AI-driven applications** that aligned with business objectives and increased user engagement by **35%**.

EDUCATION

Master of Science in Software Systems, PSG College of Arts & Science   June '18 — May '23

SKILLS

Technical Skills: JavaScript, TypeScript, **Python**, **Flask**, Node.js, Express.js, **React.js**, Redux, TensorFlow, PostgreSQL, **vector databases**, MySQL, AWS, Kafka, Unit Testing, Postman, Git, TFS, **RAG**, **LangChain Framework**, **Agents**, **LlamaIndex**.
Core Competencies: Full Stack Development, AI/ML Application Development, Cloud Computing (AWS), Software Design, Debugging, Solution Design, Distributed Systems (Kafka).
Soft Skills: Collaboration, Communication, Flexibility, Creativity, Leadership, Troubleshooting, organizing tasks, Precision and Accuracy, Evaluating, Reliability**.**

PROJECTS

Internal Accelerator Application

- Crafted an **innovative tool** to streamline design and development workflows, enhancing project quality and reducing manual effort by **40%,** leading to faster project completion and improved team productivity.
- Implemented a **user-friendly platform** for automated chatbot creation, enabling end-to-end code generation for both backend and frontend. This automation reduced development time by **70%** and significantly increased operational efficiency and also manual efforts that leads to decrease project timelines and increase projects & revenue.

Client Engagements

- Delivered an **AI-driven report automation solution**, leveraging Generative AI to reduce errors by **95%** and cut processing time by **60%,** ensuring faster and more accurate report generation.
- Constructed a **backend solution for automated image color correction and extraction**, integrating Generative AI and Machine Learning models. This Boosted accuracy by **20%**, reduced manual intervention by **50%,** and accelerated project delivery timelines by **30%.**