

Sharmila Devarajan

Full Stack Developer | Software Engineer

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SUMMARY 🌟

Experienced Full Stack Developer with over 2 years of industry experience in designing scalable, AI-enhanced applications and improving system performance. Skilled in modern web technologies, Machine Learning integration, and cloud computing. Dedicated to creating impactful solutions through technical expertise and collaboration, with a strong focus on delivering measurable results.

EXPERIENCE 📁

Software Engineer

AVASOFT Inc

📅 01/2023 - 01/2025

📍 Chennai, India

- Designed and developed AI-enhanced web applications using React.js, Node.js, Express.js, TypeScript, and PostgreSQL, accelerating processes and improving user experiences.
- Increased user engagement by 30% by implementing AI-driven features, such as chatbots and personalized recommendations.
- Boosted operational efficiency by 30% through backend optimizations powered by AI, automating workflows and enhancing system performance.
- Led cross-functional collaboration, streamlining project schedules by 15% and increasing client satisfaction by 25% with effective AI solution integration.
- Modernized legacy systems with AI frameworks, resulting in a 30% performance boost and improved scalability.
- Architected and deployed serverless AI-based microservices, achieving a 25% efficiency improvement and reducing operational costs.
- Integrated Agents & AI models into full-stack applications, reducing deployment time by 40% using optimized CI/CD pipelines and enhancing system reliability by 20%.
- Collaborated with stakeholders to define project requirements, delivering three AI-driven applications aligned with business objectives and increasing user engagement by 35%.

EDUCATION 🎓

Master of Science in Software Systems

PSG College of Arts & Science

📅 06/2018 - 05/2023

CERTIFICATION 📜

- Cloud Computing (NPTEL),
- Full Stack Development (Coursera),
- Databricks certified Generative AI engineer associate (Databricks) 🏆

SKILLS 🛠️

TECHNICAL SKILLS

- Programming Languages:** C, JavaScript, TypeScript, Python
- Frontend:** React.js, Node.js, Express.js, Redux, HTML5, CSS3
- Databases:** PostgreSQL, MySQL
- Cloud Platforms:** AWS
- Messaging Systems:** Kafka
- Version Control:** Git, TFS
- AI/ML Frameworks:** TensorFlow, Generative AI
- Testing Tools:** Postman, Unit Testing, Jest, Pytest

CORE COMPETENCIES

- Full Stack Development
- AI/ML Application Development
- Cloud Computing
- Software Design
- Solution Architecture
- Distributed Systems

PROFESSIONAL ATTRIBUTES

- Collaborative Team Player
- Strong Communication Skills
- Innovative Problem Solver
- Leadership
- Adaptable and Precise

PROJECTS 💡

Internal Accelerator Application

- Built a platform streamlining design and development workflows, reducing manual effort by 40% and enabling real-time updates for 50+ active projects.
- Developed a user-friendly platform for automated chatbot creation, automating end-to-end code generation for backend and frontend. This reduced development time by 70% and significantly increased operational efficiency.

Client Engagements

- Engineered a generative AI-powered report automation tool, reducing error rates by 95% and processing times by 60%, ensuring faster and more accurate report generation.
- Designed a backend solution for automated image color correction and extraction, integrating Generative AI and ML models. Improved accuracy by 20%, reduced manual intervention by 50%, and accelerated project delivery timelines by 30%.

LANGUAGES 🌐

- English, Hindi, Tamil