

SASI KUMAR MANICKAM

Engineering Leader | Director / Senior Engineering Manager | AI Transformation

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EXECUTIVE PROFILE

Strategic Engineering Leader with 15+ years of experience scaling enterprise SaaS products, leading global engineering organizations through managers and architects, and driving Generative AI transformation. Expert in modernizing monolithic platforms to cloud-native microservices, establishing scalable design systems, and integrating AI-assisted SDLC to improve developer velocity by 30%+.

CORE COMPETENCIES

- **Leadership & Strategy:** Organizational Scaling, Multi-Team Management, Managing Managers, Technical Vision & Roadmapping, Hiring & Talent Retention, Executive Stakeholder Management, Budget & Capacity Planning
- **AI & Modernization:** GenAI Transformation, AI-Assisted SDLC, SaaS Modernization, Enterprise Architecture, Java, React, Angular, Node.js, AWS, Microservices
- **Operational Excellence:** Agile Governance, CI/CD Maturity, DORA Metrics, SRE & High Availability, System Reliability, Platform Governance

PROFESSIONAL EXPERIENCE

Manager - Software Engineering & AI Transformation Leader

Rocket Software | 10/2022 – Present | Chennai, India

- **SaaS Ecosystem Modernization:** Led end-to-end modernization of high-scale enterprise SaaS ecosystem. Implemented modular frontend architecture (Angular / React) and AI-driven development workflows, reducing release cycle by 40% and improving scalability.
- **AI-Enabled Customer Experience Platform:** Architected proactive support hub integrating enterprise CRM with AWS cloud services and real-time React / TypeScript chat widgets. Delivered 360-degree customer insights and predictive analytics.
- **Enterprise Design System:** Spearheaded scalable design system standardizing UI/UX across 10+ product lines with reusable components and theming architecture.
- Championed org-wide Generative AI Enablement Program - prompt engineering, AI coding assistants - resulting in 30%+ improvement in developer velocity and code quality.
- Own architectural review board, SRE practices, and mentor Engineering Managers & Architects. Partner with Product and executive stakeholders on OKRs.

Software Engineering Lead

Wizcon Digital Pvt Ltd | 06/2021 – 10/2022 | Chennai, India

- **Automobile Inventory & Service Management Platform:** Architected and engineered an end-to-end automotive domain cloud platform for vehicle inventory management and workshop servicing job logs. Streamlined intake operations, technician job dispatching, real-time parts requisitioning, and automated customer delivery tracking. Tech: Java, J2EE, Spring Boot, Angular UI, Node.js, AWS.
- Engaged in client discussions to translate business needs into technical specifications, mentored junior developers, and drove end-to-end architecture and implementation of scalable solutions.

Senior Engineering Lead / Senior Software Engineer

ASG Worldwide | 02/2018 – 05/2021 | Chennai, India

- **Enterprise Content Management at Scale:** Bootstrapped core features for SaaS CMS managing millions of data entries. Tech: React, Redux, Node.js, PostgreSQL, AWS.
- **Monolith to Responsive & Microservices:** Transformed legacy monolith into responsive mobile-first experience and Node.js microservices, improving performance by 50%.
- Established TDD, design reviews, CI/CD maturity, reducing production debt by 40%.

Lead Software Engineer - Healthcare Analytics Platforms

Advisory Board Company | 04/2015 – 02/2018 | Chennai, India

- **Healthcare Performance Manager:** Developed enterprise UI for Procedure Cost and OR Capacity management, optimizing hospital operational efficiency.
- Partnered with clinical stakeholders to translate domain requirements into reliable web applications. Tech: Angular, Java, SQL, Angular Material.

Senior Systems Engineer & Technical Trainer

Infosys Limited | 07/2011 – 10/2015 | Mysore, India

- **Configurable File Translation (CCFU):** Engineered custom J2EE product for secure high-volume transaction file handling in banking. Tech: Java, J2EE, Spring Boot, SQL.
- Led training for 200+ engineers. Awarded 'Best Performer On the Project' by client.

KEY HIGHLIGHTS

- **Product Modernization Leader:** Modernized 3+ legacy enterprise platforms to cloud-native, responsive and AI-enabled architectures.
- **AI Transformation Pioneer:** Early adopter and org-wide evangelist for GenAI in SDLC.
- **Culture Builder:** Improved roadmap predictability by 35% through cross-functional collaboration frameworks.

EDUCATION

- **M-Tech in Software Systems (WILP) - GPA 9.1/10** | BITS Pilani
- **B.E. in Electrical & Electronics Engineering - GPA 9.5/10** | Sona College of Technology

Tech Stack: Java, Spring Boot, JavaScript, TypeScript, React, Angular, Node.js, PostgreSQL, AWS, Microservices, Micro-frontends, DevOps, GenAI, LLMs, RAG