STALIN THANGARAJ

HEAD OF ENGINEERING

CONTACT

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- stalin.dev

LINKS

- M Blog
- LinkedIn
- Github

SKILLS

- Software Engineering
- IoT Development
- AI/ML Solutions
- Cloud Solutions
- DevOps Practices
- Solution Architecture
- Scalable Web & Mobile app
- Innovation
- Project Management
- Roadmap execution
- Business Strategy Alignment
- Security & Performance Optimization
- Team Leadership
- Talent Development

PROFESSIONAL SUMMARY

Accomplished and visionary Head of Engineering with over 18 years of experience in software engineering, solution architecture, and technical leadership. Proven expertise in building and scaling high-performing engineering teams, delivering innovative IoT, AI/ML, and data-driven solutions, and driving organizational success through strategic technical alignment. Deeply skilled in big data platforms, RAG frameworks, LLMs, agentic AI, and cutting-edge software development methodologies. Passionate about fostering innovation, mentoring talent, and driving transformative impact in high-stakes industries.

CORE COMPETENCIES

- IoT Platform Development & Device Integration (LoRaWAN, AWS IoT Core)
- RAG Frameworks & LLM Integration (LangChain, Fastify, TypeScript)
- Agentic AI Flows & Autonomous Systems
- Scalable IVR systems integrated with CTI solutions
- Cloud Solutions & Big Data (AWS, GCP, PostgreSQL, InfluxDB, Spark)
- Solution Architecture & Microservices (Event-Driven, Serverless Architectures)
- Agile Methodologies, CI/CD & DevOps Practices
- Scalable Web and Mobile App Development (React Native, Angular, Flutter)
- Leadership & Team Building (Scaled teams from 2 to 40 engineers)
- Strategic Roadmap Development & Execution
- Payment Gateway Integrations (PayPal, Braintree, HDFC)
- Compliance, Security, and Performance Optimization

WORK EXPERIENCE

Yavar Techworks Pvt Ltd., Coimbatore   DEC 2020 - PRESENT
Head of Engineering

- Spearheaded the design and development of critical platforms, including GenAI, network orchestration, customer experience, and IoT applications.
- Expanded the engineering team from 10 to 50 members, building specialized teams in DevOps, Data Engineering, and Machine Learning.
- Architected scalable solutions for SAP extended e-commerce and IoT device control systems, integrating LoRaWAN and AWS IoT Core.

PERSONAL INTERESETS

- Playing cricket, badminton & volleyball
- Engaging in regular workouts
- Writing technical blog
- Exploring emerging technologies
- Reading self-help, leadership books

- Introduced DevOps practices, enhancing deployment pipelines and reducing delivery times.
- Directed cross-functional teams to ensure alignment with business objectives and on-time delivery.
- Fostered innovation, resulting in patent-pending AI agents for real-time manufacturing optimization.

CodingTown India Pvt. Ltd., Coimbatore   DEC 2017 - DEC 2020
CTO

- Built and led a 10-member team specializing in IoT, web, and mobile app development for government and commercial projects.
- Introduced modern software engineering practices, improving client satisfaction and delivery timelines.
- Designed and deployed scalable IoT solutions for government projects and smart city initiatives.
- Guided R&D efforts, resulting in innovative solutions for IoT and e-commerce domains.

TATA consultancy Services, Chennai   OCT 2016 - DEC 2017
Assistant Consultant

- Led a 6-member offshore team to develop enterprise software for an insurance client.
- Designed scalable architectures for web applications and implemented Agile practices.
- Ensured quality and security through rigorous code reviews and testing.

Sumeru Software Solutions, Bangalore   OCT 2011 - OCT 2016
Tech Lead / Solution Architect

- Established and scaled a mobile app division from the ground up.
- Designed and developed mobile app that has surpassed one million downloads
- Developed and deployed scalable web applications using Ruby on Rails, Angular, and PostgreSQL.
- Integrated third-party tools, including payment gateways, analytics, and social platforms.
- Pioneered the use of TDD and BDD practices for reliable software delivery.

BK Systems Pvt Ltd., Chennai   SEP 2006 - JUN 2011
Associate Systems Engineer

- Contributed to voice logging and call center quality monitoring solutions for enterprise clients.
- Designed and implemented IVR systems, project tracking tools, and CTI integrations.

ADDITIONAL INFORMATION

- Mentor to engineering teams in IoT and AI domains.
- Earned multiple prestigious accolades, including Best performance, Star and Gem Awards.