

Shajan Jacob

Senior Software Engineer | Technical Lead

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PROFESSIONAL SUMMARY

Senior Software Engineer and Technical Lead with 8+ years of experience designing and building scalable backend systems, APIs, microservices, and cloud-native applications using Node.js and TypeScript. Experienced in system architecture, performance optimisation, event-driven systems, healthcare platforms, and engineering leadership. Proven track record of scaling high-throughput APIs, modernising legacy systems, mentoring engineers, and driving AI-assisted software development practices.

TECHNICAL SKILLS

Languages & Backend: Node.js, TypeScript, JavaScript, NestJS, Express.js, Deno

Architecture & APIs: Microservices, REST APIs, Event-Driven Architecture, Real-Time Systems, gRPC, WebSockets

Cloud & DevOps: AWS (Lambda, EC2, API Gateway, S3), GCP (Pub/Sub, Cloud Storage, FHIR), Firebase, Docker, Kubernetes, Nginx

Databases & Messaging: MongoDB, PostgreSQL, MySQL, Redis, Elasticsearch, Kafka, GCP Pub/Sub

AI & Automation: LLMs, AI Agents, LangChain, AI-Assisted Development, Tool Calling, MCP, RAG, Prompt Engineering, n8n

PROFESSIONAL EXPERIENCE

Sorice Solutions, Kochi - *Technical Lead*

Feb 2020 - Nov 2025

- Architected and delivered backend systems and core platform capabilities for U.S. healthcare applications, focusing on scalability, reliability, security, and maintainability.
- Optimised high-throughput APIs serving **300K+ requests per day**, reducing average response times by **25%** and improving overall system performance.
- Modernised legacy applications and migrated systems to newer frameworks, reducing development effort for modifications and new features by **20%**.
- Identified and remediated security vulnerabilities across internal and customer-facing applications, strengthening application security and compliance.
- Designed deployment and release strategies across multiple environments and client deployments, reducing release effort and production incidents.
- Drove **AI-assisted software development practices** across the engineering team, guiding developers in effectively integrating AI tools into development workflows.
- Built internal developer tools and automation to eliminate repetitive engineering tasks and improve team productivity.
- Led code and architecture reviews, established engineering standards, and mentored junior and mid-level developers.

- Participated in technical hiring and interviewed **300+ software engineering candidates**, while improving interview feedback and tracking workflows.
- Contributed across the complete software delivery lifecycle, including architecture, planning, estimation, implementation, release, and cross-team coordination.

Cubet, Kochi - *Software Engineer*

Oct 2017 - Feb 2020

- Designed and developed REST APIs, microservices, and serverless applications using **Node.js, AWS Lambda, and Firebase Cloud Functions** across multiple production platforms.
- Published **ffmpeg-sdk**, an NPM wrapper for FFmpeg, powering media-processing workflows for an online video transcription and dubbing platform.
- Engineered a scalable real-time Twitter chat platform supporting multiple chatbot instances and text/audio communication using WebSockets.
- Delivered backend solutions across media processing, electronic BOM management, CSR, and matchmaking platforms from prototype through production deployment.
- Diagnosed and resolved production-critical issues, improving application reliability and operational stability.

Alt S Solutions, Kochi - *Junior Software Engineer*

May 2017 - Oct 2017

- Developed responsive web applications, CRM dashboards, and backend APIs for client projects.

EDUCATION

T John Institute of Technology, Bangalore - *Bachelor of Engineering in CS* - 2017

ACHIEVEMENTS

- Ranked in the top 2% globally in LinkedIn's JavaScript skill assessment.

HOBBY / SIDE PROJECTS

Clockwall - Time zones, simplified. This virtual clock wall makes it easy to track time across different time zones.

clockwall.app

Community Town Portal - One-stop platform to discover local businesses, services, restaurants, food menus and attractions for residents and visitors.

piravom.in | aroundkochi.in

Deepseek Usage Analysis Tool - A self-hosted dashboard for visualising your DeepSeek AI API usage — daily costs, token consumption, cache hit rates, and per-key breakdowns.

github.com/shajanip/deepseek-usage

Co-Apply - AI-powered Firefox browser extension that uses an LLM API to intelligently autofill web forms.

[Firefox Addon Page](#)