Sai Krishnan Sathiarthi

Senior Full stack Developer

Full stack developer with an automotive background and 6+ years of experience delivering scalable, microservice-based solutions. Skilled in Angular, React, Spring Boot, NodeJS, AWS Lambda, and Kafka, I've built robust OTA systems and OEM dashboards that drive customer satisfaction. Versatile, innovative, and results-driven, I bring a comprehensive tech stack to dynamic environments

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in linkedin.com/in/sai-krishnan-sathiarthi

○ github.com/xicoder96

WORK EXPERIENCE

Senior Engineer
Elektrobit

11/2020 - Present *Bengaluru, Karnataka, India*

Achievements/Tasks

- Architected scalable cloud microservices using MQTT, Kafka, and Spring Boot for 1M+ vehicles.
- Developed REST APIs and optimized performance with Kafka & Spring Batch, reducing load times by 50% and boosting response speeds 3x.
- Implemented Uptane-compliant services, integrated Resilience4J circuit breakers, and enabled resumable downloads via HTTP Range Requests to enhance security and reliability.
- Collaborated on Angular 11 UI development with caching, tripling website speed and increasing OEM employee satisfaction by 25%.
- Deployed Keycloak for OAuth and RBAC and built an AWS CI/CD pipeline (CodePipeline, CodeBuild, Lambda, etc.) to accelerate deployments by 50%.
- Led a team of 4 on MVP projects—including a NextJS-powered in-vehicle app store—diversifying skills across Android, Alexa, C++ middleware, and Qt-QML, expanding the business portfolio by 10% and elevating team expertise by 50%.
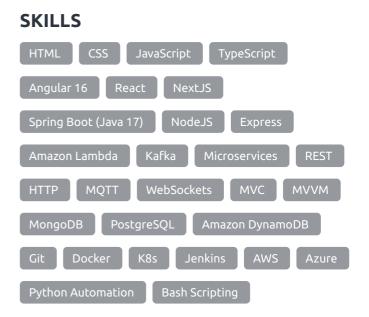
Software Developer
Infinite Open Source Solutions

08/2017 - 05/2019 *Calicut, Kerala, India*

Achievements/Tasks

- Engineered enterprise applications using Linux, Apache, MariaDB, PHP, JavaScript, Laravel, and CodeIgniter.
- Designed and implemented a robust project management tool to streamline workflows.
- Developed a mobile app backend for efficient location-based service discovery.
- Delivered scalable solutions that generated ₹20 Lakhs in monthly revenue.
- Collaborated with cross-functional teams to optimize system performance and user experience.
- Maintained enterprise-grade quality and agile practices to consistently meet client requirements.

SKILLS

HTML   CSS   JavaScript   TypeScript

Angular 16   React   NextJS

Spring Boot (Java 17)   NodeJS   Express

Amazon Lambda   Kafka   Microservices   REST

HTTP   MQTT   WebSockets   MVC   MVVM

MongoDB   PostgreSQL   Amazon DynamoDB

Git   Docker   K8s   Jenkins   AWS   Azure

Python Automation   Bash Scripting

PERSONAL PROJECTS

Psy Quiz game skill (12/2020 - 01/2021)
- Engaging Alexa Custom Quiz Skill using **Lambda**, **Node.js**, **DynamoDB**, and **ASK SDK**

CDAC Qpoint (12/2019 - 02/2020)
- Created a student forum allowing anonymous query posting, utilizing **MongoDB**, **Express**, **React**, **Node**, and **Docker** technologies.

EDUCATION

PG Diploma
Centre for Development of Advanced Computing (CDAC)

08/2019 - 02/2020 *Bengaluru, Karnataka, India*

B. Tech
Jyothi Engineering college

06/2013 - 04/2017 *Thrissur, Kerala, India*