Sivaraj Nagaraj

Full-Stack Engineer | Technical Architect
Email: sivarajng@gmail.com
https://sivarajng.github.io/resume | https://www.linkedin.com/in/sivaraj-nagaraj

Immediate joiner

Summary

- **A Versatile, Full-Stack Engineer and Technical Architect,** helping organizations to achieve business outcomes with my **10 years of expertise in software engineering**, specifically in modern web, data stacks and frameworks.
- **Proficient in problem solving using an array of tech stacks and streams** like **JavaScript, Python, Java, Node.js, React.js, TypeScript, Kafka, Backend, Frontend, Microservices, APIs, DevOps, Mobile, Cloud (AWS, GCP)**.
- **Worked in Startup 0-100 and built Products and Features from scratch**, which includes large-scale distributed systems, services and event streams with low latency and performance as the default.
- **A Business centric Engineer, owned multiple Business Metrics, OKRs** and worked with many cross-functional teams like Data Science, Product, Revenue, Infra, Design and Engineering to get the desired business results.
- **My core role includes contributing to Org's OKR Plans, Architecting, Building Solutions,** Product Features, Automations, Optimizations and Improve Metrics to achieve the business goals and outcomes.

Technical Skills

Programming	JavaScript, TypeScript	Python	Java	SQL
Frameworks, Applications, Libraries and Tools	Node.js, React.js, Next.js, Redux, Express.js, GraphQL, Apache Camel EIP	Flask, FastAPI, Android, Notebooks, React Native, Spring Boot	PostgreSQL, JPA, MongoDB, Redis, Apache Spark, EDA, RedShift, Pandas	Kubernetes, Docker, CI/CD, ZooKeeper, Grafana, Kibana, Jenkins, Kafka Streams, ETL, MLOps, MLFlow, OAuth
Streams / Verticals	UI Dashboards, Mobile Apps, Custom Libraries	gRPC Microservices, REST APIs, Data Pipelines, DevOps, Security		Chat Bots, Simulators, Automations, UI Wireframes
Products	Confluent Kafka, Jira, Bitbucket, Redis Lab, Databricks (Notebooks, Jobs, ML, SQL), SageMaker, Atlan, MongoDB Atlas, Confluence, Sentry, Harness, Tableau, Keycloak, Slack Apps and Bots, Figma			
Cloud Platforms	**AWS** (Lambda, RDS, EC2, EKS, S3, ELB, IAM, Kafka, etc.), **GCP** (Compute, Dataproc, Firebase etc.)			

Work Experience

Staff Engineer at MPL (Mobile Premier League) (Jul '18 to Present)

- **As a Full-Stack and Technical Architect working on various backend systems and Data pipelines** like Kafka Event Driven Systems, Ingestion, Segmentation, etc. Developed large-scale Backend Microservices and Frontend Dashboards.
- **Key architect of the MPL Frontend App, built from ground up** including core flow like Login, Payments, Wallet, etc.
- **Works closely with the Data Science and cross-functional teams** and builds solutions which bring business impacts.
- **Built low-latency and high scale backend and ML services** which are the core part of the MPL App.
- **Recognized and got appreciated thrice in Company's All Hands Meetings** for implementing solutions and processes.
- **Independently solved business and tech problem statements** by developing and productionising in-house solutions like Config Management, Fraud Ops, Data Dashboards, Alert-as-a-Service, Chatbots Automations etc.

Senior Software Engineer at Hike Messenger (Dec '17 to Jul '18)

- **Worked as a Mobile App Developer**, and built lite versions of OLA, Zomato, Movie Show Booking Apps from scratch using their APIs which runs as Micro Apps inside Hike Messenger.

Senior Engineer at Brillio (Mar '17 to Dec '17)

- **Worked as a MERN Stack (Mongo, Express, React, Node) and Mobile App Developer** by designing and developing both Frontend and Backend modules as well as developing API Services.

- Awarded with **"Team Excellence**" – a recognition for the Teams that showed a high level of performance and quality delivery.

Technology Analyst at Infosys Ltd (Apr '15 to Mar '17)

- **Worked as a Technology Analyst** with good knowledge of HealthCare and Retail Chain business processes.
- **Awarded with "Bravo Awards"** - This Individual Award is a recognition and appreciation of outstanding performance.
- **Worked on a series of Automation Tools and Scripts** which lead to a drastic reduction in Manual Efforts and recognized as Client Value-adds.

Software Engineer at Syntel Ltd (Dec '12 to Apr '15)

- **Worked as an Analyst Programmer in Healthcare Vertical** under Application Development and Support projects.
- **Awarded with "SMART"** - A value award for showing the characteristic to define a problem so as to include its solution or where that is not possible, an approach to the solution.

Projects

Backend Services	● Dynamic Price Forecasting Service ● Home Page & Tournaments Personalization Service ● Multi-Player Score Calculation Service ● Developer Tools ● Dashboard's Rest APIs
Frontend WebApps	● Config Management Pro Dashboard ● Fraud Ops Dashboard ● Revamped Data Studio Dashboard for Data Engineering and Data Science Team ● Mobile App Data Center Dashboard ● Data Science Utils Dashboard ● Data Quality Dashboard
Data Engineering	● Kafka Event Driven User Tasks Service (Assign different tasks and monitors its progress to incentivize the Users) ● Data Relay Service (Subscribes to various User Events from Backend/Frontend and enrich, transform and forward it to multiple downstream services and data sinks) ● Feature Store Service (for ML) ● User Segmentation Service ● ML Inference Service
Mobile Apps	● Architected MPL App (React Native, Login, Chat, Payments, Onboarding, Social Profile, etc.) ● Hike Messenger Micro Apps (OLA, Zomato, Movie Show Booking) ● Funko (Collectibles Shopping) ● Ford In-Showroom Tablet App ● PoC on IoT App based on OPC UA
Automations	● Built Chat Bots with NLP and Intelligence as a Bot first interface to automate various workflows like Build triggers, (Backends, Mobile Apps) and Reportings via Slack Bot. ● Alert-as-a-Service: Conceptualized and built a shift-left kind service, which tracks multiple activity feeds like builds, incidents, config changes and correlates it via some models and understands context and raises Alerts and Reportings straight to the stakeholders. ● Built a Multi User Game Simulator to simulate the actual user game score rating without the need for a physical device which benefited the Data Science team to validate their models. ● Built a handful of Developer Tools to improve the Dev and QA teams Productivity.
Cloud	● Had setup and configured multiple resources in AWS and GCP Like EC2, RDS, Security, IAM, etc.

Education and Certifications

BE, Electronics & Communication (Jun 2012) Sona College of Technology, Salem, Tamil Nadu.	**Class 12, HSC,** (Maths, CS) (Jun 2008) The Gugai Hr. Sec. School, Salem, Tamil Nadu.	**Class 10, SSLC** (Jun 2006) The Gugai Hr. Sec. School, Salem, Tamil Nadu.
Score: **87%**	Score: **93%**	Score: **89%**

- **20+ Testimonials / Recommendations on LinkedIn**
- **40+ Certifications from IBM, Coursera, Udemy, LinkedIn**
- **35+ Git Stars**