



# Sivaraj Nagaraj

Full-Stack Engineer | Data Engineer | Architect

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Can join in 30 days



## Summary

(10+ Years of Tech Experience)

- **A Versatile, Full-Stack as well as Data Engineer**, helping organizations to achieve business outcomes with my 10 years of expertise in software engineering, specifically in modern data stacks and frameworks.
- **Proficient in problem solving using an array of tech stacks and streams** like **TypeScript, Python, Java, Backend (Micro Services, APIs, gRPC), Frontend (React), DevOps, MLOps, Chat Bots, Mobile App, 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 Skill Sets

(3+ Programming, 20+ Frameworks & Libs, 5+ Streams, 2+ Clouds)

Programming	Python	JavaScript, TypeScript	Java	SQL
Frameworks, Applications, Libraries and Tools	Flask, FastAPI, Spring Boot, JPA, Apache Camel EIP, React.JS, NextJs, Redux	Node.JS, Android, React Native, Express.JS, Jupyter Notebooks	PostgreSQL, 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	Databricks (Notebooks, Jobs, ML, SQL), SageMaker, Atlan, Confluence, Jira, Bitbucket, Redis Lab, MongoDB Atlas, Confluent Kafka, Sentry, Harness, Tableau, Keycloak, Slack Apps and Bots, Figma			
Cloud Platforms	AWS (Almost All Core Services), GCP (Compute, Dataproc, Firebase, DB, IAM, DiagFlow etc.)			

## Professional Experience

(5 Organizations)

### Staff Engineer

**MPL (Mobile Premier League)** (from Jul '18)

- As a **Full-Stack and Data Engineer** 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.
- **Recognized and got appreciated thrice in Company's All Hands Meetings** for implementing solutions and processes which made positive impacts to the teams and business.
- **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

**Hike Messenger** (from Dec '17)

- **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

**Brillio** (from Mar '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

**Infosys Ltd** (from Apr '15)

- **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

**Syntel Ltd** (from Dec '12)

- **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.

## Project Portfolio

(8+ Services, 6+ Dashboards, 5+ Mobile Apps, 3+ Automation Solutions)

<b>Backend Services</b>	<ul style="list-style-type: none"> <li>• Dynamic Price Forecasting Service</li> <li>• Home Page &amp; Tournaments Personalization Service</li> <li>• Multi-Player Score Calculation Service</li> <li>• Developer Tools</li> <li>• Dashboard's Rest APIs</li> </ul>
<b>Data Engineering</b>	<ul style="list-style-type: none"> <li>• Kafka Event Driven User Tasks Service (Assign different tasks and monitors its progress to incentivize the Users)</li> <li>• Data Relay Service (Subscribes to various User Events from Backend/Frontend and enrich, transform and forward it to multiple downstream services and data sinks)</li> <li>• Feature Store Service (for ML)</li> <li>• User Segmentation Service</li> <li>• ML Inference Service</li> </ul>
<b>Frontend Dashboards</b>	<ul style="list-style-type: none"> <li>• Config Management Pro Dashboard</li> <li>• Fraud Ops Dashboard</li> <li>• Revamped Data Studio Dashboard for Data Engineering and Data Science Team</li> <li>• Mobile App Data Center Dashboard</li> <li>• Data Science Utils Dashboard</li> <li>• Data Quality Dashboard</li> </ul>
<b>Mobile Apps</b>	<ul style="list-style-type: none"> <li>• Architected MPL App (React Native, Login, Chat, Payments, Onboarding, Social Profile, etc.)</li> <li>• Hike Messenger Micro Apps (OLA, Zomato, Movie Show Booking)</li> <li>• Funko (Collectibles Shopping)</li> <li>• Ford In-Showroom Tablet App</li> <li>• PoC on IoT App based on OPC UA</li> </ul>
<b>Automations</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• 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.</li> <li>• Built a handful of Developer Tools to improve the Dev and QA teams Productivity.</li> </ul>
<b>Cloud</b>	<ul style="list-style-type: none"> <li>• Had setup and configured multiple resources in AWS and GCP Like EC2, RDS, Security, IAM, etc.</li> </ul>

## Academic Proficiency

<b>BE</b> <b>(Electronics &amp; Communication Engineering, 2012)</b> Sona College of Technology, Tamil Nadu.	<b>Class 12</b> <b>(HSC, 2008)</b> The Gugai Hr. Sec. School, Tamil Nadu. (Stream: Maths, Computer Science)	<b>Class 10</b> <b>(SSLC, 2006)</b> The Gugai Hr. Sec. School, Tamil Nadu.
Score: <b>87%</b>	Score: <b>93%</b>	Score: <b>89%</b>

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