



# Sivaraj Nagaraj

Multi-Stack Developer | Data Engineer | Architect

✉ sivarajng@gmail.com

<https://sivarajng.github.io/resume> | <https://www.linkedin.com/in/sivaraj-nagaraj>



## Summary

(10+ Years of Experience)

- Had helped Organisations to achieve business outcomes with my 10 years of expertise in the software technology industry, specifically in modern Data Stacks and Frameworks.
- Had built Products and Features from scratch in Startups, worked in High Scale Distributed Systems and Voluminous Event Streams with low latency and optimized services as a core part.
- An unique and innovative Data Engineer and Multi-Stack Developer who actively working in multiple streams of tech like Python, Java, JavaScript, Backend, Frontend, DevOps, MLOps, Chat Bots, Mobile App, Cloud to name a few and working with many cross teams like Data Science, Product, Revenue, Infra.
- As a Business Aligned Developer, my day-to-day work includes contributing to Org's OKR Plans, Architecting, Building Solutions, Product Features, Automations, Optimizations to get the desired business results.

## Technical Skill Sets

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

- Had actively been working and worked on all major Tech Stacks and trends and not limited to below.

Programming	Python	Java	JavaScript, TypeScript	Basic SQL
Frameworks, Applications, Libraries and Tools	Flask, FastAPI, Spring Boot, JPA, Apache Camel EIP, React.JS, Material UI, Ant Design, Redux	Node.JS, Android, React Native, Shell, Express.JS, Jupyter Notebooks, SQLAlchemy	PostgreSQL, MongoDB, Redis, PySpark, RedShift, Pandas, Machine Learning, SciKit, EDA	Kubernetes, Docker, Helm Chart, ZooKeeper, Grafana, Kibana, CI/CD, Jenkins, Kafka Streams, ETL, NLP, MLOps, MLFlow
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, 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, DB, IAM, OAuth, DiagFlow etc.)			

## Professional Experience

(5 Organizations)

### Staff Engineer

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

- As a Data Engineer working on various Data pipelines like Segmentation, Ingestion etc. and Event Driven Systems. Developed high scale backend services and UI dashboards. key architect of MPL Frontend App.
- Works closely with the Data Science team 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.

### 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 Solutions</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>UI 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)</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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