

Srujit Varasala

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Professional Summary

Software Engineer with 4 years of experience in scaling backend systems and distributed systems using **Java**, **Spring Boot**, **Python**, and **AWS**. Skilled in code review tooling and driving code quality in **Agile** environments. Applying my expertise to build scalable, high-performance applications that drive measurable business outcomes.

Technical Skills

Languages & Frameworks: Java, Python, Node.js, Go, JavaScript, TypeScript, Spring Boot, React, J2EE
Backend & APIs: REST, GraphQL, Microservices, Hibernate, SQL (DDL/DML), Data Modeling
Cloud & DevOps: AWS, Docker, Kubernetes, Jenkins, Git, GitHub Actions, Terraform, CI/CD
Databases: PostgreSQL, Oracle, DynamoDB, Cassandra, MongoDB, Redis, Elasticsearch
Messaging & Monitoring: Kafka, Spark, Splunk, Logging, Alerting, JSON, Performance Tuning
Practices: Agile SDLC, TDD, Distributed Systems, Scalable Architecture, Secure Coding, System Design

Professional Experience

Full Stack Engineer

Dec 2024 – Mar 2025

Local Grown Salads

New Jersey, USA

- Improved access control efficiency by 25% by implementing secure role-based authentication using **Spring Boot**, **JWT**, and **Firebase**.
- Accelerated feature delivery by 20% raising **JUnit** test coverage to 90% and leading Agile sprint planning using **JIRA**.
- Delivered seamless user experiences by building and integrating **REST APIs** and **React.js** components, enhancing end-user responsiveness.
- Strengthened backend reliability by maintaining services in **PHP** and **Spring Boot**, enabling consistent authentication and user workflows.

Software Engineer

Jul 2020 – Dec 2022

Reliance Jio Platforms Ltd.

Bangalore, India

- Enabled real-time location intelligence for millions of GPS data points by building distributed microservices using **Java** and **Spring Boot** for the JioXplor platform.
- Reduced data access latency by 30% by optimizing **PostgreSQL** and **Cassandra** queries through **Hibernate**.
- Improved team agility by exposing modular APIs in **GraphQL** and **REST**, accelerating feature integration across platform and frontend teams.
- Deployed scalable services on **AWS (EC2, S3)** using automated **CI/CD** pipelines with **Jenkins**; documented services with **Swagger** and ensured quality via **JUnit/Mockito**.

Software Developer

Feb 2019 – May 2020

Techniki Services

Hyderabad, India

- Improved frontend responsiveness by building SPAs using **React.js** and integrating them with **Java REST APIs**.
- Reduced production bugs by 30% through automated regression testing using **Selenium**, increasing QA throughput.
- Accelerated deployment cycles by implementing automation using **Docker** and **Jenkins**, improving release confidence.

Relevant Projects

House Price Prediction — Kaggle Project | *Python, Pandas, Scikit-learn, Matplotlib* | [GitHub](#) Feb 2025 to Apr 2025

- Built an end-to-end regression pipeline using **Scikit-learn**, **XGBoost**, and **LightGBM**, achieving a cross-validated RMSE of 0.1097 through model stacking.

Wine Quality Prediction System | *PySpark, AWS EMR, S3, Docker* | [GitHub](#)

Oct 2024 to Nov 2024

- Developed a distributed ML pipeline using **PySpark** on **AWS EMR**, containerized with **Docker**, and integrated with **S3** for scalable ETL and real-time analytics.

Education

New Jersey Institute Of Technology

Jan 2023 to Dec 2024

Master of Science in Computer Science

Newark, NJ

SRM Institute of Science and Technology

May 2016 to May 2020

Bachelors of Technology in Computer Science

Chennai, TN, India

Achievements & Certification

- IPL 2022 Streaming Support – Reliance Jio:** Collaborated on backend systems for JioTV and JioFiber integration with **Disney + Hotstar**, enabling seamless **IPL** live cricket match streaming access for millions of subscribers.
- Designed a mobile-integrated **IoT** application using **Arduino** sensors to monitor real-time plant health parameters (moisture, temperature, humidity); published in [JETIR1811003](#).
- Completed **The Web Developer Bootcamp 2025** on Udemy by Colt Steele.