

# Srujit Varasala

## Professional Experience:

**Software Engineering Intern, Full Stack | Local Grown Salads**      New Jersey, USA      Dec 2024 – Mar 2025

- Developed and deployed a secure, scalable multi-subsystem authentication system using Spring Boot and JWT, improving user onboarding efficiency by 20% and enhancing platform security.
- Standardized RESTful API development in Java, reducing integration errors by 30% and improving service communication reliability across multiple digital platforms.
- Elevated JUnit test coverage to 90%, enhancing system reliability and deployment confidence.
- Collaborated with product, design, and engineering teams to drive Agile, TDD-based releases with higher code quality.

**Data Engineer | Jio Platform Limited**      Karnataka, India      Jul 2020 – Dec 2022

- Contributed to the development of JioXplor — Jio's GPS navigation and location intelligence platform designed to compete with Google Maps, enabling real-time geospatial services across India.
- Engineered multithreaded Python automation scripts to reverse-geocode 1 M+ location records via multiple APIs, optimizing Cronjob pipelines to accelerate address mapping by 40% and boost data accuracy.
- Optimized PySpark (Apache Spark) pipelines to ingest 10 M+ records into Akamai NetStorage as CSV/Parquet files within 2 hours, cutting runtime by 40% through efficient partition tuning and I/O handling.
- Designed and deployed ETL and CI/CD pipelines, reducing feature deployment time by 50% and improving system reliability across services.
- Maintained high-availability data pipelines and designed SQL queries, improving data retrieval efficiency by 30%.

**Software Developer Intern | Techniki Services**      Telangana, India      Aug 2019 – May 2020

- Designed and deployed full-stack web applications using HTML, CSS, and JavaScript, improving browser compatibility by 30% and enhancing cross-platform user experience.
- Developed scalable RESTful APIs with Spring Boot and Java, increasing data throughput by 40% and supporting seamless integration across 5+ enterprise applications within a microservices-based architecture.
- Optimized backend business logic and fine-tuned API response patterns in Java, reducing server load by 15% and improving overall application performance.
- Designed and architected a robust log collection system using Kafka, centralizing logs from 20+ sources across the application infrastructure for streamlined monitoring and analysis in Kibana

**Full Stack Web Development intern | DLK Technologies**      Tamil Nadu, India      Nov 2018 -Dec 2018

- Developed and deployed a scalable web application using Django, Node.js, and DynamoDB, enhancing system reliability and supporting increased user traffic.
- Delivered five new features within two months, optimizing page load times by 25% through backend performance tuning and efficient front-end rendering strategies, resulting in a smoother user experience and faster interaction times.

## Projects:

## **Yelp Camp – Full Stack Web Application**

Dec 2024 – Jan 2025

- Designed and built a full-stack web platform using React and Node.js, allowing users to create, manage, and review campground listings.
- Integrated Mapbox for live interactive maps and Cloudinary for secure image hosting, while implementing Passport.js and bcrypt for user authentication and authorization, enhancing platform usability, security, and data integrity.

## **Library Reservation Bot — Automation Tool | Python, Selenium, Cron, Heroku**

Feb 2024

- Automated library slot booking using Selenium and Cron, achieving a 100% success rate in reservations through Heroku deployment.

## **Availability-Demand Software System | Java, Kafka, React, MongoDB**

Apr 2023

- Built a Java-based RESTful application integrated with React.js to track and publish events from Breakfast Providers to Customers, enabling real-time access to availability.
- Developed an event-driven application with Kafka Publisher-Subscriber model, boosting real-time updates and increasing user retention by 20%.

## **Achievements:**

- Built a secure, role-based authentication system for Local Grown Salads.
- Key contributor to the development of JioXplor, Jio's GPS navigation and location intelligence platform.
- Solved 100+ problems on LeetCode focusing on advanced DSA.

## **Education:**

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| • New Jersey Institute of Technology               | New Jersey, USA      |
| Master of Science in Computer Science: 3.15 GPA    | Jan 2023 – Dec 2024  |
| • SRM Institute of Science and Technology          | Tamil Nadu, India    |
| Bachelor's of Science in Computer Science: 3.0 GPA | June 2016 – May 2020 |

## **Technical Skills:**

Python, Java, JavaScript, SQL, HTML, CSS, Scala | Spring Boot, Node.js, Express.js, Django, Next.js, React.js, Bootstrap, Mapbox, Cloudinary, bcrypt, Selenium | MongoDB, MySQL, PostgreSQL, DynamoDB, Firebase | AWS, Docker, Kubernetes, Jenkins, Heroku, CI/CD pipelines, Linux (Ubuntu), Windows, Virtual Machines (VMs) | Git (Version Control), RESTful APIs, ETL Pipelines, Cron (Scheduling), Data Analysis & Visualization, Data Mining, Object-Oriented Programming (OOP), Akamai NetStorage, Figma

## **Contact:**

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