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:

- 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:

Email: srujit.v@gmail.com

LinkedIn: https://www.linkedin.com/in/srujitvarasala/

GitHub: https://github.com/srujit12091997

Portfolio: https://merry-seahorse-458f60.netlify.app/

Phone: (862) 237-5382