Srujit Varasala

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Technical Skills:

Programming Languages: C/C++, Python, Java, JavaScript, HTML, CSS, SQL, MATLAB, Go, Scala.

Other tools: Linux (Ubuntu), Windows, Web development and technologies, Object-Oriented Programming, Data mining, Data Analysis and Visualization, AWS, MongoDB, Git(version control), Docker, Jenkins, Heroku, Continuous Integration Continuous Deployment CI/CD, MySQL, ETL, REST APIs, Cron, Scripting, Scheduling, Data Source, Akamai, Firebase, Next.js, Figma, Bootstrap, Django Express, Selenium, Virtual machine(VM), Mapbox, Cloudinary, bcrypt

Professional Experience:

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

- Built a secure and scalable multi-subsystem authentication system using Spring Boot and JWT to improve onboarding efficiency by 20%.
- Standardized RESTful API development in Java, reducing integration errors and improving communication reliability between services.
- Enhanced the quality of the core registration codebase by increasing the JUnit test coverage to over 90%.
- Collaborated with cross-functional teams, including product design, content strategy, and management, to successfully release the project, demonstrating expertise in Agile methodologies Jira and TDD methodologies, and effective communication for higher code quality.

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

- Developed Python automation scripts for Jio Xplore to reverse-geocode latitude and longitude into addresses and postal codes using APIs from Google Maps, HERE Maps, and OpenStreetMap, and automated the extraction and integration using scheduled Cron jobs
- Optimized a PySpark (Apache Spark) pipeline to process and ingest 10M+ records into Akamai NetStorage as CSV/Parquet files within 2 hours-cutting runtime by 40% through partition tuning and efficient I/O handling.
- Designed and implemented a CI/CD pipeline using Git, Jenkins, and Kubernetes, reducing deployment time by 50% and ensuring faster delivery of features
- Maintained a high-availability data pipeline using Python and Scala for JioStore data ingestion, ensuring uninterrupted data flow and service continuity. Implemented a rolling two-month backup system to preserve data integrity during outages and streamline recovery efforts.
- Designed and optimized complex SQL queries for large-scale datasets, improving data retrieval and database performance by 30%, and automated backup/recovery processes to enhance reliability.

Software Developer intern | Techniki Services   Hyderabad, India   Aug 2019 – May 2020

- Designed and deployed full-stack web applications using HTML, CSS, JavaScript, and Bootstrap to improve browser compatibility by 30%.
- Optimized backend logic in Java and optimized API response patterns, reducing server load by 15%.
- Led deployment using Docker and CI/CD pipelines, resulting in a 50% reduction in deployment time and smoother releases.

Full Stack Web Development intern | DLK Technologies   Chennai, India   Nov 2018 -Dec 2018

- Developed a highly scalable website using Django, Node.js, and DynamoDB, supporting users.
- Delivered five new features in under two months while optimizing page load times by 25% through performance tuning and efficient rendering strategies.

Projects:

Yelp Camp – Full Stack Web Application   Dec 2024 – Jan 2025

- Built a full-stack platform where users can create, manage, and review campgrounds using React and Node.js.
- Integrated Mapbox for live maps and Cloudinary for image hosting, enhancing user interaction and platform usability.
- Enabled secure user authentication with Passport.js and bcrypt, improving data integrity and account protection.

Library Reservation Bot | Python, Selenium, Cron, Heroku   Feb 2024

- Developed a Python bot with Selenium to automatically book school library slots, eliminating manual effort for students.
- Deployed on Heroku with scheduled Cron jobs to ensure daily execution at 7 AM, achieving a 100% booking success rate.

Availability-Demand Software System | Java, Kafka, React, MongoDB   Apr 2023

- Developed a Java-based RESTful application integrated with ReactJS to track and provide access to published events from Breakfast Providers to Customers.
- Orchestrated the integration of Kafka as the messaging system, establishing a robust Publisher-Subscriber model that facilitated instant event notifications, ensuring customers were always updated in real-time; enhanced user experience, resulting in a 20% increase in customer retention and repeat purchases

Education:

New Jersey Institute of Technology   Newark, USA

Master of Science in Computer Science: 3.15 GPA   Jan 2023 – Dec 2024

SRM Institute of Science and Technology   Chennai, India

Bachelor's of Science in Computer Science: 3.0 GPA   June 2016 – May 2020

Achievements:

- Contributed to the development of Jio Xplor, a cutting-edge maps and location intelligence platform.
- Designed and implemented a secure, role-based authentication system for Local Grow Salads.
- LeetCode 100+ Problems Solved (Focused on data structures & algorithms).