SUSHMA KOLLI

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Summary

Detail-oriented Software Engineer with extensive experience in backend and full-stack development. Proficient in Java, Python, ReactJS, and Node.js, with a strong track record of building scalable applications and optimizing system performance at leading companies, including ICICI, Verizon, and Samsung. Currently expanding my expertise in the MERN stack (MongoDB, Express, React, Node.js) while pursuing a Master's in Computer Science. Passionate about developing high performance solutions and seeking opportunities as a Software Engineer, Backend Engineer, or Full Stack Engineer role, with a strong focus on modern web technologies.

Education

- **Master's, Computer Science**
  University of North Carolina Charlotte – **GPA:** 4
  Jan 2024 – May 2025

- **Bachelors, Electronics and Communication Engineering**
  Andhra University, India – **GPA:** 3.8
  Aug 2015 – May 2019

Technical Skills

- **Programming Languages:** Java, Python
- **Web Development:** HTML5, CSS3, JavaScript, React.js, Node.js
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Web Services & Cloud:** RESTful APIs, Firebase, AWS, Azure
- **Frameworks & Libraries:** Spring Boot, Express.js, Kubernetes, Redux, Microservices
- **DevOps & Tools:** Git, Jenkins, Maven, SonarQube, Docker
- **Data Visualization:** Tableau
- **Soft Skills:** Communication, Collaboration, Problem-Solving, Time Management, Adaptability, Leadership, Critical Thinking, Creativity, Attention to Detail

Professional Experience

Software Engineer (Capgemini Consultant)

ICICI, India   **Jan 2023 – Nov 2023**

- Developed key components for **migrating mutual funds system** from **monolithic architecture** to **microservices** using **Java**, **Spring Boot** and **REST APIs.**
- Designed and implemented a **reporting system** that optimized transaction data delivery through **feed file formats**.
- Developed a dedicated **microservice** for **URL generation** and automated **investor notifications** via email.
- Engineered a comprehensive **failure reporting system** to enhance transparency in **transaction data tracking** and ensure **regulatory compliance**.

Software Engineer (Capgemini Consultant)

Verizon Communications, India   **Feb 2022 – Jan 2023**

- Developed a real-time alerting feature for SD-WAN provisioning utilizing **Java**, **Spring Boot**, and **REST APIs**, to automatically send provisioning data to **Azure1 registry**, enabling proactive incident response and reducing downtime.
- **Automated IP assignment** and credential management within microservices **architecture**, accelerating issue detection and resolution.
- **Collaborated with ECM (Ericsson Cloud Manager)** to create, configure, and manage network resources associated with SD-WAN deployments.
- **Built and managed CI/CD pipelines** using **Jenkins**, **Docker**, and **SonarQube** to automate testing, enforce code quality checks, and streamline deployments to efficiently deliver SD-WAN solutions.

Software Engineer (TCS Consultant)

Samsung, India   **Jul 2019 – Jan 2022**

- Developed an internal knowledge portal using **Spring Boot** and **ReactJS**; ensured seamless performance and maintainability.
- Implemented key user engagement features like upvotes, solution marking, and favorites to enhance collaboration.
- Created a **dynamic frontend** with **ReactJS**; managed state efficiently using **Redux**.
- Wrote extensive unit tests with **JUnit** and **end-to-end** tests using **Cypress**.
- Managed dependencies and build processes with **Maven**, integrated plugins for **code quality checks**.

Project Experience

My Netflix   **Technologies:** ReactJS, ExpressJS, Axios, Tailwind CSS, Material UI

- Developed a fully responsive Netflix-inspired web application using **ReactJS**, **HTML**, **Tailwind CSS**, and **Material UI**.
- Implemented secure user authentication and authorization using JWT, along with an ExpressJS backend and Axios to enable features like browsing and searching.

Tic-Tac-Toe   **Technologies:** ReactJS, Bootstrap CSS

- Developed and designed a dynamic and visually appealing Tic-Tac-Toe web application using **ReactJS** and **Bootstrap CSS**, providing users with seamless and engaging gaming experience.
- Implemented core game logic for player turns, win detection, and a reset function for new games.

Ride Sharing App   **Technologies:** Java, Spring Boot, Spring Security, Spring Data JPA, PostgreSQL

- Developed a secured ride-sharing application using Spring Boot security, allowing users to sign up, log in and onboard as drivers or passengers, with dynamic ride matching based on proximity and user ratings.
- Implemented features such as real-time fare calculations, payment references and a rating system to enhance user experience and improve service quality.