

SUSHMA KOLLI

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Summary

Detail-oriented Software Engineer with extensive experience in full-stack development. Proficient in Java, Python, ReactJS, and Node.js, with a proven track record of delivering scalable applications and enhancing user experiences for leading companies, including ICICI, Verizon, and Samsung. Currently deepening my expertise in the MERN stack (MongoDB, Express, React, Node.js) while pursuing a Master's in Computer Science. Eager to leverage my technical skills and problem-solving abilities in 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
- 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

- Led the successful **migration of mutual funds systems** from a **monolithic architecture** to **microservices**, utilizing **Java, Spring Boot**, and **REST APIs**.
- Architected 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

- Designed and enhance an automated alerting system for SD-WAN provisioning utilizing **Java, Spring Boot**, and **REST APIs**, significantly enhancing incident response times.
- Automated IP assignment** and credential management within a **microservices architecture**, accelerating issue detection and resolution.
- Collaborated with ECM (Ericsson Cloud Manager)** to design and configure network resources across **public clouds** and **customer premises**, ensuring seamless integration.
- 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 a 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 onboarding 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.