

SAITEJA KARANAM

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience building scalable full-stack applications using Java, Spring Boot, and React. Strong in REST APIs, microservices, CI/CD, and database optimization. Proven track record of improving performance, reducing deployment time, and delivering reliable production systems.

TECHNICAL SKILLS

Languages: Java, Python, C#, TypeScript, JavaScript

Backend: Spring Boot, REST APIs, Microservices, Hibernate, JWT, MVC Architecture

Frontend: React.js, Redux, HTML5, CSS3, AJAX

Databases: MySQL, PostgreSQL, MongoDB

Cloud & DevOps: Docker, Kubernetes, Jenkins, Azure (AKS, Cosmos DB, Service Bus), Nginx, Cloudflare

Testing: JUnit, Unit Testing, Integration Testing

Tools: Git, Maven, Postman, JIRA, Agile/Scrum

PROFESSIONAL EXPERIENCE

Software Engineer – Kimber Health

Oct 2024 – Present

- Designed, developed, and deployed scalable full-stack healthcare applications using React and Spring Boot, supporting high user traffic and secure data handling.
- Architected and implemented RESTful APIs to streamline backend services, improving response time by 30% and enhancing application scalability.
- Built and maintained microservices-based architecture, ensuring modularity, fault tolerance, and easier system enhancements.
- Automated CI/CD pipelines using Docker and Jenkins, reducing deployment time by 40% and improving release reliability.
- Integrated MongoDB for efficient data storage and retrieval, optimizing database performance for large datasets.
- Implemented comprehensive unit and integration testing using JUnit, achieving 98% test coverage and significantly reducing production defects.
- Configured and optimized Nginx and Cloudflare for load balancing, caching, and improved application security.
- Collaborated with cross-functional teams in Agile sprints, contributing to faster feature delivery and continuous improvement.

Full Stack Developer – Induco Credit Information & Analysis Pvt Ltd

Jan 2022 – Dec 2022

- Developed a centralized hotel booking and management system serving 50+ properties using Spring Boot and React.js.
- Designed and implemented secure RESTful APIs for bookings, payments, and customer data, reducing inconsistencies by 25%.
- Optimized MySQL database queries and indexing strategies, improving application performance and response time by 30%.
- Built responsive and user-friendly frontend components using React, improving overall user experience.
- Integrated real-time data updates across multiple franchise systems, ensuring consistency and reliability.
- Containerized applications using Docker and implemented CI/CD pipelines with Jenkins, accelerating release cycles by 40%.
- Strengthened backend validation and error handling mechanisms, reducing booking failures and improving system robustness.

Software Developer Intern – SRK's Veda Solution LLP

Apr 2020 – Dec 2020

- Developed an educational platform supporting 350+ students, teachers, and parents with real-time communication features.
- Built a mobile-friendly frontend using React Native and integrated backend services with DynamoDB for scalable data handling.
- Implemented push notification systems, increasing user engagement and retention by 25%.
- Designed workflow automation to streamline assignment tracking and communication across users.
- Improved data validation and system workflows, reducing missed assignments by 15%.

PROJECTS

Employee Attrition Prediction

- Built a machine learning pipeline using Python for data cleaning, preprocessing, and exploratory data analysis (EDA).
- Improved data consistency by 40% and reduced manual data processing efforts by 45 hours per month.
- Applied predictive modeling techniques to identify employee attrition trends, enabling better workforce planning.

Web Scraping & Data Automation

- Developed Python-based web scraping tools to collect and analyze large-scale datasets efficiently.
- Improved data accuracy by 45% and reduced analysis time by 50% through automation.
- Ensured compliance with ethical scraping standards by identifying and mitigating potential risks.

Buy From Farmers Marketplace

- Designed and developed a full-stack e-commerce platform enabling direct farmer-to-consumer sales.
- Built separate user portals for farmers and customers, improving usability and engagement.
- Increased farmer participation by 45% and boosted product demand by 30%.

EDUCATION

Master of Science in Computer Science Engineering

University at Buffalo

Jan 2023 - May 2024

Bachelor of Technology in Computer Science

VIT-AP University

Aug 2018 - May 2022