

SAI PRAVALIKA MUKKALA

Full Stack Java Developer

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Professional Summary

Skilled Full-Stack Software Engineer with expertise in developing scalable web applications. Proficient in front-end (React, HTML, CSS, JavaScript) and back-end (Node.js, Express.js, RESTful APIs) technologies, with experience in database management (MongoDB, SQL) and cloud platforms (AWS, Azure). Adept at creating user-centric, performance-driven solutions and enhancing technical skills through hands-on experience and certifications. Known for delivering high-quality software solutions in collaborative, fast-paced environments.

Technical Skills

Programming Languages: Java, JavaScript, TypeScript, HTML, CSS

Front-End: React, Angular, Bootstrap, jQuery, Redux (Familiar)

Back-End: Node.js, Express.js, Spring Boot, Spring MVC

Databases: MySQL, MongoDB, PostgreSQL, Oracle Database

DevOps: Jenkins, Docker, Kubernetes

Cloud: AWS, Azure, GCP

Tools: Visual Studio Code, IntelliJ IDEA, Postman, Git, GitHub, Eclipse

Web: Responsive Web Design, JSON, AJAX, RESTful APIs, Microservices Architecture

Testing: Unit Testing, Debugging

Experience

Full Stack Java Developer

KTEK Soft Inc.

Aug 2022 – Dec 2024

- Developed scalable web applications using Java, Spring Boot, and React to meet complex business requirements.
- Designed and implemented RESTful APIs for efficient data exchange between front-end and back-end systems.
- Collaborated with cross-functional teams using Agile methodologies to deliver high-quality solutions.
- Optimized performance by fine-tuning database queries and implementing caching mechanisms (e.g., Redis).
- Automated build, testing, and deployment processes using Jenkins and Docker, improving release cycles.
- Conducted code reviews and enforced best practices to foster continuous learning.

Key Achievements:

- Reduced application load times by 30% through performance tuning and refactoring.
- Delivered multiple client-facing projects on time and within budget, earning client satisfaction.
- Led adoption of modern tools and practices, increasing team productivity by 25%.

Internship Experience

Software Development Intern

Fratello InnoTech Pvt Ltd, Hyderabad

March 2022 – June 2022

- Led the development of the "Bug Tracking for Improving Software Reliability" project, utilizing Java to create an efficient bug-tracking system to enhance software reliability.
- Collaborated with senior developers to implement and test solutions for bug identification and resolution, improving software performance and stability.
- Gained hands-on experience in Agile development methodologies, debugging, and system optimization.

Education

Master's in Information Studies

Trine University, USA

2022 - 2024

Relevant Coursework: Full Stack Development, Database Management, Software Engineering, Web Development

Bachelor's in Computer Applications

Osmania University, Hyderabad, India 2019 - 2022

Relevant Coursework: Data Structures, Object-Oriented Programming, Database Systems

Projects

Bug Tracking System

- **Technologies:** Java, MySQL, Java Swing
- Developed a desktop application for bug tracking, including bug submission and status tracking.
- Utilized MySQL for efficient data storage and retrieval.

Library Management System

- **Technologies:** Java, MySQL, HTML, CSS, JavaScript
 - Designed and developed a full-stack web application for managing library operations (borrowing, returns, inventory).
 - Implemented CRUD operations to streamline library management.
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Certifications

Full Stack Development

- Application Development using Microservices and Serverless – Coursera
- Developing Back-End Apps with Node.js and Express – Coursera
- Django Application Development with SQL and Databases – Coursera
- Full Stack Application Development Capstone Project – Coursera

Cloud and DevOps

- Introduction to Cloud Computing – Coursera
- Introduction to Containers with Docker, Kubernetes & OpenShift – Coursera

Cybersecurity

- Introduction to Cybersecurity Tools & Cyber Attacks – Coursera

Programming and Software Development

- Associate in IT Foundation Skills (Java) – Infosys | Springboard
- Generative AI: Elevate your Software Development Career – Coursera

Foundations

- Getting Started with Git and GitHub – Coursera
 - Introduction to HTML and CSS – Coursera
 - Introduction to Software Engineering – Coursera
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Academic Achievements

- **Strong Foundation in Software Development:** Acquired knowledge in core technical subjects like Java, Data Structures, Database Management, Web Development, and Software Engineering.
- **Top 10% in Core Technical Subjects:** Ranked among the top 10% in key courses, demonstrating strong technical understanding.
- **Successful Real-World Projects:** Developed Bug Tracking and Library Management Systems, applying theoretical knowledge to practical applications.
- **Advanced Data Analysis Skills:** Proficient in data analysis and visualization techniques for improved decision-making.
- **Active Collaboration:** Contributed to group projects, showcasing teamwork, communication, and leadership skills.