Vamshi Ponugoti
Software Engineer

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SKILLS

Programming Languages	C, Java, Python, Javascript, HTML, CSS
Web Technologies	React, NodeJS, ExpressJS, GraphQL, MaterialUI, Bootstrap, Jest
Databases	MySQL, NoSQL(MongoDB, Firebase)
Tools	Git, JIRA, Confluence, Figma, Abstract, Postman, Agile, Scrum

TECHNICAL EXPERIENCE

Ford Motor Company   Sep 2021 — Jun 2022
Software Engineer   *Chennai, India*
- Led the migration of the PandA web app from Oracle Forms to a Spring Boot-based microservices architecture, enhancing scalability and aligning with industry standards; achieved a 40% increase in system responsiveness and a 50% improvement in maintenance efficiency.
- Integrated over 30 new features using React.js, HTML5, and CSS3, enhancing app functionality and user experience, leading to a 25% increase in user engagement and 15% faster operations.
- Engineered complex Java-based queries within Spring Boot to optimize data retrieval and manipulation, reducing data processing times by 30
- Directed the development and testing of React.js frontend components and backend microservices, improving quality and functionality, resulting in a 20% boost in system performance.

Mindtree Ltd.   Jan 2021 — Aug 2021
Software Engineer Intern   *Bangalore, India*
- Mastered the company's tech stack rapidly, delivering 5 key web projects on schedule using HTML, CSS, JavaScript and React.
- Developed a portfolio of web projects independently, enhancing code efficiency by 15% and reducing page load time by 25%.
- Collaborated closely with cross-functional teams to design and optimize web interfaces, successfully increasing user satisfaction by improving accessibility and interactive elements on the platform.

Mphasis(C2H)   Feb 2020 — Dec 2020
Software Engineer   *Hyderabad, India*
- Spearheaded Java and React-based projects, boosting scalability and enhancing user experience; achieved a 30% decrease in response times and a 20% uplift in user engagement through code optimization and feature enhancements.
- Managed the full development lifecycle of Java and React applications, ensuring timely delivery and adherence to quality standards; implemented performance optimizations that led to a 25% improvement in load times and a 15% increase in system responsiveness.

PROJECTS

AI-powered e-commerce recommendation system
- Built using the MERN stack (MongoDB, Express.js, React.js, Node.js), focusing on personalized shopping experiences to enhance user engagement.
- Implemented MongoDB for robust data storage and retrieval; utilized React.js for a responsive user interface, optimizing the engine for accuracy and relevance.
- Engineered system integration with Node.js and Express.js, ensuring seamless operation within the e-commerce platform, with a focus on scalability and performance.

Inventory Management Application
- Crafted an inventory management system using the MEAN stack (MongoDB, Express.js, Angular, Node.js), enhancing tracking and inventory workflow oversight.
- Deployed key features such as inventory monitoring, product classification, and user authentication, creating a streamlined system.
- mplemented data validation and error handling to improve data quality and reduce errors; utilized RESTful APIs for efficient data communication.

Class Management System
- Designed a web application for managing class activities, including holidays, student attendance, and leaves, using React.js and state management hooks.
- Created a visually appealing and user-friendly interface with Material UI, enhancing user experience and facilitating seamless navigation.

EDUCATION

University of central Missouri, *Master's in Computer Science - 3.7/4*   Aug 2022 - Present