Sai Prudhivi

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Experienced software developer with 4+ years of expertise in full-stack development, specializing in Java, React.js, SQL, Kafka, and Kubernetes. Proficient in implementing scalable solutions and optimizing performance through innovation.

EDUCATION

Master of Science, Computer Science   Aug 2022 - May 2024
The University of Texas at Dallas   **GPA: 3.94/4**
Relevant Courses: Machine Learning, Artificial Intelligence, Statistical Methods, Computer Vision, Natural Language Processing, Database Design, Big Data Management and Analysis

Bachelor of Technology, EEE   Aug 2015 - May 2019
National Institute of Technology Karnataka, India   **GPA: 3.63/4**

PROFESSIONAL EXPERIENCE

Research Assistant, *The University of Texas at Dallas*   Oct 2022 - Present
- Implemented security-critical enhancements in full-stack Java apps, resolving 100% of reported vulnerabilities.
- Migrated legacy applications to Java LTS and Maven for enhanced security and 20% performance improvement.
- Elevated business reporting tools and optimized SQL queries, resulting in a 35% faster report generation.

Software Developer, *Oracle, Bangalore, India*   Jun 2019 - Aug 2022
- Developed performance-enhancing features for Java and Spring Boot apps, leading to 30% faster lead processing.
- Implemented features on Go to market full stack app with React.js as a UI framework and Java as a back end.
- Designed a real-time log-capturing app for a 90% productivity boost for the WebLogic team.
- Leveraged Apache Kafka to streamline and process marketing data, reducing lead wait times by 25%.
- Implemented Docker and Kubernetes for efficient CI/CD, achieving a 40% decrease in deployment times.
- Utilized MVC architecture within Spring Boot apps to develop REST APIs, achieving a 20% faster response time.

Student Trainee, *Samsung, Bangalore, India*   May 2018 - Jul 2018
- Enhanced logging speed by 10% in a real-time logging module for multi core systems as a C++ software engineer.

TECHNICAL SKILLS

Backend: Java, Node.js, C++, Python, PHP, Rust, Go
Frontend: React.js, Oracle JET, HTML, CSS, JavaScript, TypeScript, jQuery
Databases: MySQL, Oracle SQL, DynamoDB, MongoDB
Other: Apache Kafka, Docker, Kubernetes, Helm charts, Spark, AWS Lambda, Git, Jenkins, GitHub Actions
Training: Oracle Database 12c, Java SE, Java EE, Oracle Cloud Infrastructure, Spring Framework
Certifications: Neural Networks, Deep Learning, Agile SAFe 4 Practitioner

ACADEMIC PROJECTS

Movie recommendation system, *Machine Learning*   April 2023 - May 2023
Piano keys object detection, *Computer Vision*   Feb 2023 - May 2023
E-commerce platform - DBMS, full stack, *Database Design*   Jan 2023 - May 2023
Lottery xv6 - UNIX like OS, *Operating Systems*   Aug 2022 - Dec 2022
A 4-link drawing robot, *Undergraduate project*   Aug 2017 - May 2019
Adaptive control of a robot using reinforcement learning, *Research Internship*   May 2017 - July 2017

STUDENT ORGANIZATIONS

Convenor, *Institution of Engineering and Technology*, NITK   Aug 2018 - May 2019
- Led strategic event planning, recruitment, and project execution, yielding a 25% surge in memberships.
- Drove cross-collaboration among presidents and IET leaders, enhancing organizational synergy and impact.

AWARDS

Two-time recipient of the "OAL CRM Org" Award at Oracle for demonstrating innovation, speed, flexibility, and curiosity.