

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.

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.

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

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

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.