

KONDREDDY RAVIKANTH REDDY

(804)988-7319 • rkondred@usc.edu • linkedin.com/in/ravi0322 • github.com/Ravikanth22

SUMMARY

Software Engineer with experience in building scalable, high-performance applications using Java, Spring Boot, React, and cloud technologies. Skilled in microservices, distributed systems, API development, and database optimization. Proven track record of improving system performance, ensuring reliability, and delivering projects on time in fast-paced environments

EDUCATION

Master of Science in Computer Science

University of Southern California, Los Angeles, CA

Jan 2023 – Dec 2024

GPA: 3.62/4.0

Bachelor of Technology in Computer Science

Jawaharlal Nehru Technological University, Hyderabad, India

Jun 2017 – Jun 2021

GPA: 9.6/10.0

COURSEWORK

Operating Systems, Analysis of Algorithms, Machine Learning, Natural Language Processing, Web Technologies, Database Management Systems, System Design, Computer Networks, Artificial Intelligence, Data Structures & Algorithms, Big Data and Cloud Computing

TECHNICAL SKILLS

Languages: Java, C++, Spark, Python, Golang, JavaScript

Frameworks/Platforms: Spring Boot, Angular, React, Flask, Django, NodeJS, SwiftUI, JUnit, Kafka, Linux, Mockito

Web Technologies: XML, CSS3, HTML5, JQuery, MVC, Bootstrap, RESTful APIs, AJAX, JSON

Tools/Databases: Git, Docker, Jenkins, MySQL, Redis, MongoDB, DynamoDB, CI/CD, GraphQL, RabbitMQ, Solr

PROFESSIONAL EXPERIENCE

Everest Computers Inc

Software Developer

Remote, US

Mar 2025 – Present

Technologies: Java, Spring Boot, Kafka, React.js, MongoDB, LDAP, REST APIs, GitLab

- Enhanced API communication efficiency by 55% through the development of **Kafka-based microservices**, incorporating message listeners, replay mechanisms for unprocessed data, and deploying these microservices on **GCP (Kubernetes, Cloud Run)** for scalability.
- Developed a full-stack application using **React and Java (Spring Boot)** with **MongoDB and LDAP**-based authentication for API configuration management, and implemented **GitLab CI/CD pipelines** to automate builds, tests, and deployments, reducing release cycles by 30%.

Entain

Software Engineer

Hyderabad, India

Sept 2021 – Dec 2022

Technologies: Java, Spring Boot, React.js, REST APIs, Oracle DB, PL/SQL, JWT

- Built a high-performance **Casino Wallet System** using **Java, Spring Boot, RESTful APIs**, and an in-house Orchestrator Framework, achieving 99.95% transaction consistency. Managed real-time balance updates and financial transactions, while designing **microservices** architecture with **Docker** and **Kubernetes** for scalability and fault tolerance, and securing APIs with **JWT**.
- Developed a **Casino Game Ordering (CGO) system** using **Java, Spring Boot, React.js, PL/SQL**, and **Oracle DB**, achieving 99% accuracy in recommendation rankings and position locking. Built **RESTful APIs** for configuration management, integrated **PL/SQL** stored procedures, enhanced UI with dynamic rank calculation and locked indicators, and optimized **Oracle DB queries** with **indexing** and **partitioning**, improving performance by 40%.

Caspex Tech LLP

Software Engineer Trainee

Chennai, India

May 2021 – Aug 2021

Technologies: Python, FTP, Mainframe Systems

- Normalized and optimized customer credit data using advanced decomposition techniques, ensuring data security and confidentiality. Developed a streamlined **FTP** solution using **Python** to transfer files from **Mainframe** systems to local machines, reducing transfer time by 50%. Implemented decision and validation rules for credit data components, achieving a 75% error reduction and significantly improving data accuracy

YM Global Technologies Pvt Ltd

Software Engineer Associate

Hyderabad, India

Nov 2020 – Apr 2021

Technologies: React.js, Spring Boot, Spring Data JPA, Java, Apache Spark, Redis, Docker Compose

- Developed and optimized a full-stack **React.js** and **Spring Boot** application for the Singapore Industrial Association, completing 100% of assigned modules ahead of schedule. Utilized **React Hooks** for state management and **Spring Data JPA** for efficient database interactions, improving API response times by 40% and used **Docker Compose** for local multi-container development, accelerating testing workflows.
- Optimized a **Java** and **Spark**-based data analytics platform for real-time chart rendering, reducing data retrieval and processing times from 2 minutes to 5 seconds by implementing **Redis caching**, optimizing API calls, and introducing batch processing for up to 10,000 data points.

PROJECTS

Enhancing Resume Retrieval via Job Descriptions through Semantic Search

Python, DPR, BM25, GPT-3.5 Turbo

- Developed a hybrid system using Dense Passage Retrieval (DPR) and BM25 to improve the semantic matching of resumes with job descriptions. Fine-tuned DPR on a dataset of 27,000 resumes and GPT-generated job descriptions, achieving 68% ranking accuracy. Implemented and optimized the solution using GPU-based training on cloud infrastructure for scalable performance.

Trojan Career Alerts – Distributed Pub/Sub System

Java, RabbitMQ, Docker, Kubernetes

- It's a distributed system Pub-Sub model that lets students to get updates regarding job openings. Implemented this using python and algorithms like Multi casting using Message broker RabbitMQ, Replication using Docker and Kubernetes, Mutual Exclusion and Concurrency Control for Synchronization and deadlock prevention. Integrated External API's to flask to provide real-time data.

CERTIFICATIONS & AWARDS

- Received **Super Rookie Award** for developing In House Orchestrator Framework at **Entain**.
- Received recognition for outstanding performance as a Software Engineer at **Entain** through an **Appreciation and Reward Points** program and improved system load performance by 40% while delivering projects within tight deadlines.
- AWS Certified Cloud Practitioner**, covering core cloud services, architecture principles, and best practices.