Rayan Crasta - Full Stack Software Engineer

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Visa: Graduate Visa till December 2026

Summary

Proficient full stack software engineer with extensive experience in developing robust server-side applications using Python and client-side applications with JavaScript and React. Adept at integrating front-end and back-end components, and passionate about creating high-quality, efficient software solutions. Strong analytical and problem-solving skills complemented by effective communication abilities. Seeking a challenging role to contribute to innovative geospatial products and drive impactful change in the tech industry.

Work Experience

Primark - Retail Assistant
Nov 2024 – Present, UK

- Delivered exceptional customer service by assisting shoppers with inquiries, product selections, and transactions in a fast-paced retail environment.
- Efficiently handled point-of-sale transactions and resolved customer concerns to enhance the shopping experience.

Mint People - Front of House Staff & Kitchen Porter (Part Time)
May 2024 – Aug 2024, UK

- Provided customer service in restaurants and clubs, handling reservations, seating, and resolving inquiries.
- Supported kitchen operations through dishwashing, food prep, and maintaining cleanliness.

Hap Solutions - Festival and Bar Staff (Part Time)
June 2024 – Aug 2024, UK

- Delivered excellent customer service at festivals and events, managed bar operations.

Tata Consultancy Services – Assistant Systems Engineer (Full Time)
June 2021 – Aug 2023, Mumbai, India

- Developed efficient server-side applications using Python, contributing to the automation of hardening processes for over 100 Linux servers, saving 900+ hours of manual compliance time.
- Created and maintained client-side applications with JavaScript and Angular, ensuring seamless integration with back-end systems.
- Conducted security analysis on Angular and Spring Boot codebases, identifying vulnerabilities and enhancing application security.
- Implemented automated testing and configuration management for software products, improving deployment efficiency and reliability.

Qustac Technologies Pvt. Ltd - Android Development Intern (Part Time)
Mar 2020 – Jan 2021, Mumbai, India

- Developed an Android application using Android Studio and Java, integrating TensorFlow Lite for real-time classification of explicit and non-explicit images on Android devices.
- Streamlined machine learning model integration to facilitate automatic actions upon detecting explicit content within image files.

Projects

TweetOps: Twitter-like Tweet Ingestion and Search Backend Blog | GitHub

- Developed a backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch.
- Managed a dataset of 500K tweets, enabling real-time search functionalities and immediate availability of ingested tweets.
- Implemented pagination and user search functionalities, enhancing user experience.

MyShowSeat: Booking Service Backend Blog | GitHub

- Engineered a booking service backend using Go, Redis, and PostgreSQL, ensuring efficient seat checks and payment verification during high traffic.
- Enhanced performance through Redis caching and implemented JWT token-based authentication for secure service access.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates, utilizing React.js and FastAPI for responsive UIs and backend logic.
- Provided detailed analytics to help educators enhance teaching strategies, integrating real-time tracking and live updates.

Education

University of Leicester
MSc Cloud Computing (Sept 2023 - 2024)

Mumbai University
Bachelor of Engineering, Information Technology (2021), 9.42 CGPA

Skills

- **Languages**: Python, Go, JavaScript, FastAPI, Bash, Java, Django, ReactJS
- **Databases**: PostgreSQL, MongoDB, Redis
- **Infra**: Linux, Docker, Kubernetes
- **Tools**: Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security**: Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills**: Analytical Thinking, Problem Solving, Effective Communication, Team Collaboration