Rayan Crasta - Software Engineer

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Visa: Graduate Visa till December 2026

Summary

Software engineer with strong experience in building and maintaining efficient applications and cloud solutions. Skilled in software development, process automation, and system integration. Proven ability to collaborate with cross-functional teams to enhance operational effectiveness and deliver high-quality solutions. Seeking to leverage technical expertise and problem-solving skills in a dynamic environment focused on infrastructure projects.

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 automation scripts to enhance build and release processes for over 100+ Linux servers, achieving significant time savings and compliance with security benchmarks.
- Conducted security analysis on Angular and Spring Boot codebases, identifying and mitigating critical vulnerabilities, ensuring compliance with industry standards.
- Integrated third-party antimalware and data tokenization solutions into existing architectures to enhance security measures.
- Conducted web application security testing, improving overall application security through proactive identification and resolution of vulnerabilities.

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 integrations to facilitate automatic actions upon detecting explicit content.

Projects

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

- Developed a Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch.
- Managed and ingested a dataset of 500K tweets, enabling real-time search functionality and ensuring data availability.
- Created efficient user and tweet search functionalities, ensuring a seamless user experience.

MyShowSeat: Booking Service Backend Blog | GitHub

- Developed a booking service backend prototype using Go, Redis, and PostgreSQL with a focus on high traffic management and transaction integrity.
- Implemented JWT token-based authentication to secure service access, ensuring data integrity through PostgreSQL transactional operations.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates incorporating real-time feedback and analytics using React.js and FastAPI.
- Utilized Redis for real-time tracking and WebSockets for live updates during debate sessions, enhancing user engagement and interaction.

Education

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

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

Skills

- **Languages**: Go, Python, FastAPI, Bash, JavaScript, Java, Django, ReactJS
- **Databases**: PostgreSQL, MongoDB, Redis
- **Infra**: Linux, Docker, Kubernetes, AWS
- **Tools**: Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security**: Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills**: Collaboration, Problem-solving, Attention to detail, Communication, Adaptability