Rayan Crasta - Software Engineer

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Location: Leeds, UK | LinkedIn | http://rayancrasta.com | GitHub

Visa: Graduate Visa till December 2026

Summary

Detail-oriented software engineer with a strong foundation in system design, software development, and database management. Passionate about building high-performance applications that enhance user experiences. Adept at collaborating in dynamic environments, focusing on delivering quality solutions while continuously improving technical skills. Seeking to contribute to innovative projects in fintech and payment technologies.

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, enhancing the overall shopping experience.

Mint People - Front of House Staff & Kitchen Porter (Part Time)

May 2024 – Aug 2024, UK

- Provided customer service in restaurants and clubs, managing reservations and seating while addressing 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, effectively managing bar operations.

Tata Consultancy Services – Assistant Systems Engineer (Full Time)

June 2021 – Aug 2023, Mumbai, India

- Developed bash scripts to automate the hardening process of over 100+ Linux servers for compliance based on CIS benchmarks, saving 900+ hours of manual compliance efforts. Recognized with the "Best Team" award for this initiative. - Conducted security analysis on Angular and Spring Boot codebases using Checkmarx and Fortify WebInspect, identifying and mitigating critical vulnerabilities. - Integrated third-party antimalware and data tokenization solutions into existing architectures. - Performed manual web application security testing using OWASP ZAP and Burpsuite, identifying and addressing vulnerabilities to enhance application security.

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. - Streamlined a machine learning model to facilitate automatic actions upon detecting explicit content within image files.

Projects

TweetOps: Twitter-like Tweet Ingestion and Search Backend Blog | GitHub
- Developed a prototype backend using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch, managing a dataset of 500K tweets. - Implemented real-time tweet search and user functionalities, utilizing

pagination and data management techniques.

MyShowSeat: Booking Service Backend Blog | GitHub

- Created a backend prototype using Go, Redis, and PostgreSQL for a booking service, ensuring a seamless user experience during high traffic. - Leveraged Go's concurrency for asynchronous processing and implemented JWT token-based authentication for secure access.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates, incorporating gamification and real-time feedback, built with React.js and FastAPI, using PostgreSQL and MongoDB for data management. - Utilized Redis for real-time tracking and WebSockets for live updates during sessions.

Education

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

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

Skills

- **Languages**: Go, Java, Python, FastAPI, Bash, JavaScript, Java, Django, ReactJS
- **Databases**: PostgreSQL, MongoDB, Redis
- **Infrastructure**: Linux, Docker, Kubernetes
- **Tools**: Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security**: Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills**: Strong communication, Problem-solving, Team collaboration, Adaptability, Time management