

Rayan Crasta - Graduate IT Platform Engineer

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Visa: Graduate Visa till December 2026

Summary

Motivated graduate IT Platform Engineer with hands-on experience in software development, cloud technologies, and system security. Skilled in leveraging technical knowledge to identify and mitigate security threats while ensuring compliance. Passionate about developing high-availability platforms and automating processes to enhance operational effectiveness. Seeking to contribute to a forward-thinking team in a dynamic technology environment.

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 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.
- Conducted security analysis on Angular and Spring Boot codebases using Checkmarx and Fortify WebInspect, identifying and mitigating critical vulnerabilities to ensure secure software delivery.
- Integrated third-party antimalware and data tokenization solutions into existing architectures to enhance data protection.
- Conducted manual web application security testing using OWASP ZAP and Burpsuite, proactively addressing vulnerabilities to strengthen security posture.

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 automatic actions upon detecting explicit content within image files to enhance user safety.

Projects

TweetOps: Twitter-like Tweet Ingestion and Search Backend [Blog](#) | [GitHub](#)

- Developed a Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch, focusing on scalability and performance.
- Managed a dataset of 500K tweets, ensuring efficient ingestion and real-time search capabilities.
- Integrated a model for flagging profane tweets, enhancing content moderation processes.

MyShowSeat: Booking Service Backend [Blog](#) | [GitHub](#)

- Developed a booking service backend prototype using Go, Redis, and PostgreSQL, ensuring high availability and low latency during peak usage.
- Implemented JWT token-based authentication to secure service access.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates in academic settings, incorporating gamification and real-time feedback.
- Developed using React.js and FastAPI, with PostgreSQL and MongoDB for data management, ensuring responsive and efficient performance.

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
- **Infrastructure:** Linux, Docker, Kubernetes
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP

Soft Skills

- Strong problem-solving abilities
- Effective stakeholder management
- Excellent communication and collaboration skills