

Rayan Crasta - Software Engineer Graduate

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Visa: Graduate Visa till December 2026

Summary

Aspiring software engineer with a strong foundation in system design, software development, and database management. Passionate about developing high-performance applications and solving complex problems using modern technologies. Eager to collaborate in dynamic team environments and contribute innovative solutions that enhance customer experiences. Seeking an opportunity in a graduate program to grow professionally and make a meaningful impact in the tech industry.

Work Experience

Primark - Retail Assistant

Nov 2024 – Present, UK

- Delivered exceptional customer service by assisting shoppers with inquiries and transactions in a fast-paced retail environment.
- Efficiently handled point-of-sale transactions and resolved customer concerns, enhancing 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, managing reservations and seating while addressing inquiries.
- Supported kitchen operations through dishwashing and maintaining cleanliness.

Hap Solutions - Festival and Bar Staff (Part Time)

June 2024 – Aug 2024, UK

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

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 hours. Recognized with the “Best Team” award.
- 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 the existing architecture.
- Conducted manual web application security testing using OWASP ZAP and Burpsuite, enhancing application security by identifying and addressing 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.
- Implemented 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 Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch.
- Managed a dataset of 500K tweets, implementing real-time tweet search and immediate availability through Elasticsearch.
- Created user and tweet search functionalities, including pagination, enhancing user experience.

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

- Developed a booking service backend prototype using Go, Redis, and PostgreSQL, focusing on seat checks and payment verification.
- Utilized concurrency for asynchronous processing and improved scalability through Redis caching.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates in academic settings, incorporating gamification and real-time feedback.
- Built with React.js for responsive UIs and FastAPI for backend logic, utilizing PostgreSQL for authentication.

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, Java, JavaScript, Bash
- **Frameworks:** FastAPI, Django, ReactJS
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infra:** Linux, Docker, Kubernetes
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, OWASP ZAP

Soft Skills

- Proactive approach to problem-solving
- Strong collaboration and teamwork abilities
- Effective communication skills
- Adaptability and willingness to learn