

Rayan Crasta - Software Engineer

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Visa: Graduate Visa till December 2026

Summary

Results-driven software engineer with experience in system design, software development, and security analysis. Committed to building efficient, high-performance applications using modern technologies. Strong problem-solving skills and a collaborative team player, seeking to contribute to innovative projects at Bending Spoons while continuously growing professionally.

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, 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, achieving significant compliance efficiency and saving over 900 hours of manual labor.
- 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 to enhance security.
- Performed manual web application security testing using OWASP ZAP and Burpsuite, improving overall application security by addressing critical 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.
- 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 Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch.
- Managed a dataset of 500K tweets and utilized Elasticsearch for real-time search functionalities.
- Created a FastAPI service for flagging profane tweets, integrated into the data ingestion process for enhanced safety.

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

- Developed a booking service backend prototype using Go, Redis, and PostgreSQL, ensuring a seamless user experience during high traffic.
- Implemented booking logic, payment verification, and enhanced performance with Redis caching.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates, utilizing React.js for responsive UIs and FastAPI for backend logic.
- Incorporated real-time features and analytics to enhance user engagement and educational insights.

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, FastAPI, 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 analytical and reasoning abilities
- Drive and ambition to exceed expectations
- Team-oriented with a collaborative mindset
- Proficient in English communication