

Rayan Crasta - Software Engineer

Email: rayancrasta95@gmail.com | **Contact:** +44 7767591427

Location: Leeds, UK | [LinkedIn](#) | <http://rayancrasta.com> | [GitHub](#)

Summary

Dynamic software engineer with solid experience in system design, software development, and database management. Proficient in building large-scale infrastructure applications and eager to leverage technical expertise to enhance existing products and create innovative solutions. Committed to delivering high-performance applications while collaborating effectively in team settings. Seeking to contribute to impactful projects in a challenging environment.

Work Experience

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

May 2024 – Aug 2024, UK

- Provided exceptional 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.

Royal Mail – Warehouse Operative (Part Time)

Nov 2023 – Dec 2023, Northampton, UK

- Loaded/unloaded shipments and sorted items efficiently to optimize workflow.

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 effort. Awarded “Best Team” for this initiative.
- Conducted security analysis on Angular and Spring Boot codebases using Checkmarx and Fortify WebInspect, identifying and mitigating critical vulnerabilities to enhance system stability.
- Integrated third-party antimalware and data tokenization solutions into the existing architecture, improving overall security.
- Conducted manual web application security testing using OWASP ZAP and Burpsuite, addressing vulnerabilities to enhance application reliability.

Qustac Technologies Pvt. Ltd - Android Development Intern (Part Time)

Mar 2020 – Jan 2021, Mumbai, India

- Developed an Android application using Android Studio and Java, incorporating TensorFlow Lite for real-time classification of explicit and non-explicit images on Android devices.
- Integrated a machine learning model to facilitate automatic actions upon detecting explicit content, demonstrating a strong understanding of data-driven solutions.

Projects

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

- Developed a Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch, demonstrating experience in building scalable infrastructure.
- Managed a dataset of 500K tweets, ensuring efficient ingestion and real-time search capabilities.
- Created user and tweet search functionalities with PostgreSQL and Elasticsearch, including pagination for improved user

experience.

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

- Developed a backend prototype using Go, Redis, and PostgreSQL, implementing booking logic for seamless user experience during high traffic. - Utilized Go's concurrency for asynchronous processing, ensuring reliability and data integrity.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates, incorporating gamification and real-time feedback using React.js and FastAPI, with PostgreSQL and MongoDB for data management. - Implemented Redis for real-time tracking and WebSockets for live updates, enhancing engagement and usability.

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, PHP, JavaScript, FastAPI, Django, Bash
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infra:** Linux, Docker, Kubernetes, Openshift
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills:** Strong problem-solving abilities, effective communication, teamwork, adaptability, mentorship, and leadership potential.