

Rayan Crasta - Software Developer

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

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

Summary

Motivated software developer with experience in system design, software development, and database management. Eager to leverage technical skills to create innovative applications that enhance internal processes and optimize workflows. Seeking to contribute to a dynamic team focused on delivering impactful solutions in the digital publishing space.

Work 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 and inquiries effectively.
- Assisted kitchen operations through food prep and maintaining cleanliness.

Hap Solutions - Festival and Bar Staff (Part Time)

June 2024 – Aug 2024, UK

- Delivered exceptional customer service at festivals and events, managing 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 over 900 hours of manual compliance efforts. Received “Best Team” award for the project.
- Conducted security analysis on Angular and Spring Boot codebases utilizing Checkmarx and Fortify WebInspect, identifying and addressing critical vulnerabilities.
- Integrated third-party antimalware and data tokenization solutions into existing architecture.
- Performed manual web application security testing using OWASP ZAP and Burpsuite, improving application security by identifying and mitigating 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.
- 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, categorized by language, ingested into Elasticsearch via

Kafka for real-time search functionality.

- Developed a FastAPI service for flagging profane tweets, enhancing content moderation and safety.

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

- Created a booking service backend prototype using Go, Redis, and PostgreSQL, implementing logic for seat checks and payment verification.
- Utilized Go's concurrency for asynchronous processing, maintaining data integrity with transactional operations.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates, incorporating gamification, quizzes, and real-time feedback.
- Built using React.js for responsive user interfaces and FastAPI for backend logic, with 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:** Python, Go, JavaScript, FastAPI, Django, Java, ReactJS
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infra:** Linux, Docker, Kubernetes
- **Tools:** Kafka, Elasticsearch, JIRA
- **Security:** Burpsuite, Checkmarx, OWASP ZAP

Soft Skills

- Creative problem solving
- Strong communication skills
- Self-starter with a thirst for knowledge
- Detail-oriented and organized