

Rayan Crasta - Software Developer

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

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

Summary

Detail-oriented software developer with experience in software development, system design, and database management. Proficient in translating mathematical models into efficient code and maintaining production systems. Eager to leverage technical skills in an agile environment to develop innovative software solutions in the gambling industry.

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, 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 compliance hardening processes for over 100 Linux servers, saving 900+ hours of manual work. Awarded “Best Team” for this initiative.
- Conducted security analysis on Angular and Spring Boot codebases, identifying and addressing critical vulnerabilities using tools like Checkmarx and Fortify WebInspect.
- Integrated third-party antimalware and data tokenization solutions into existing architectures, enhancing overall security.
- Performed manual web application security testing using OWASP ZAP and Burpsuite, strengthening application security measures.

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

Mar 2020 – Jan 2021, Mumbai, India

- Developed an Android application utilizing Android Studio and Java, implementing TensorFlow Lite for real-time classification of explicit and non-explicit images.
- Streamlined machine learning model integration to facilitate automated actions upon detecting explicit content within images.

Projects

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

- Constructed a Twitter-like backend prototype employing Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch.
- Managed a dataset of 500K tweets, categorized by language, efficiently ingested into

Elasticsearch via Kafka.

- Enabled real-time tweet search functionality with Elasticsearch and PostgreSQL.

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

- Developed a booking service backend using Go, Redis, and PostgreSQL, implementing robust booking logic for high traffic scenarios.
- Utilized Go's concurrency features for asynchronous processing, ensuring data integrity with PostgreSQL.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates, integrating gamification and real-time feedback.
- Built with React.js for responsive UIs and FastAPI for backend logic, utilizing PostgreSQL and MongoDB for data storage.

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, FastAPI, Bash, JavaScript, Java, ReactJS
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infra:** Linux, Docker, Kubernetes
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills:** Communication, Problem-solving, Team collaboration, Attention to detail