

# Rayan Crasta - Software Developer

---

**Email:** [rayancrasta95@gmail.com](mailto:rayancrasta95@gmail.com) | **Contact:** +44 7767591427

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

## Summary

---

Motivated software developer with experience in software development, system design, and database management. Proficient in various programming languages including Java and Python, with a strong focus on building high-performance applications and delivering innovative solutions. Keen to join a dynamic consultancy role to leverage technical skills and contribute to impactful projects while continuing professional growth.

## 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, managing reservations, seating, and resolving inquiries efficiently.
- Supported kitchen operations through dishwashing, food prep, and maintaining cleanliness, showcasing strong teamwork and adaptability.

### **Hap Solutions** - Festival and Bar Staff (Part Time)

*June 2024 – Aug 2024, UK*

- Delivered outstanding customer service at festivals and events, effectively managing bar operations and ensuring a positive experience for attendees.

### **Royal Mail** – Warehouse Operative (Part Time)

*Nov 2023 – Dec 2023, Northampton, UK*

- Efficiently loaded/unloaded shipments and sorted items to optimize workflow, demonstrating strong organizational skills.

### **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. Won “Best Team” award for this initiative.
- Conducted security analysis on Angular and Spring Boot codebases using Checkmarx and Fortify WebInspect, identifying and mitigating critical vulnerabilities to enhance application security.
- Integrated third-party antimalware and data tokenization solutions into existing architecture, strengthening security protocols.
- Performed manual web application security testing using OWASP ZAP and Burp Suite, identifying and 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.
- Implemented a machine learning model to facilitate automatic actions upon detecting explicit content, demonstrating innovative problem-solving skills.

## Projects

---

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

- Developed a Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch, showcasing proficiency in full-stack development.
- Managed a dataset of 500K tweets, utilizing Elasticsearch for real-time tweet search and immediate availability of ingested tweets.
- Created user and tweet search functionalities with PostgreSQL and Elasticsearch, including pagination, enhancing user experience.

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

- Developed a booking service backend prototype using Go, Redis, and PostgreSQL, implementing booking logic for seat checks, payment verification, and finalization.
- Utilized Go's concurrency for asynchronous processing, maintaining data integrity with PostgreSQL and enhancing performance with Redis caching for scalability.

### **Debate Management System (Dissertation Project)**

- Designed a platform for managing structured debates in academic settings, incorporating gamification and real-time feedback.
- Developed using React.js for responsive UIs and FastAPI for backend logic, supporting PostgreSQL for authentication and MongoDB for debate storage.

## Education

---

### **University of Leicester**

*MSc Cloud Computing (Sept 2023 - 2024)*

### **Mumbai University**

*Bachelor of Engineering, Information Technology (2021), 9.42 CGPA*

## Skills

---

- **Languages:** Java, Python, Go, FastAPI, Django, Bash, JavaScript, ReactJS
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infrastructure:** Linux, Docker, Kubernetes, Openshift
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills:** Strong communication, teamwork, problem-solving, adaptability, and attention to detail.