

Rayan Crasta - Software Engineer

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

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

Summary

Aspiring software engineer with a strong foundation in system design, software development, and database management. Passionate about leveraging technical skills to create high-quality applications and enhance user experiences. Committed to collaborative teamwork and continuous learning, seeking an apprenticeship role to grow professionally and contribute effectively within the tech industry.

Work Experience

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

May 2024 – Aug 2024, UK

- Provided excellent customer service in restaurants and clubs, managing reservations and seating while resolving inquiries effectively.
- Supported kitchen operations by maintaining cleanliness and assisting with food prep.

Hap Solutions - Festival and Bar Staff (Part Time)

June 2024 – Aug 2024, UK

- Delivered outstanding customer service at festivals and events, demonstrating effective time management and organizational skills while managing bar operations.

Royal Mail – Warehouse Operative (Part Time)

Nov 2023 – Dec 2023, Northampton, UK

- Efficiently loaded/unloaded shipments and sorted items to optimize workflow, showcasing strong attention to detail.

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. Received the “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.
- Integrated third-party antimalware and data tokenization solutions into existing architecture.
- Conducted manual web application security testing using OWASP ZAP and Burpsuite, enhancing application security by 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, showcasing a keen interest in software development and machine learning.

Projects

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

- Created a Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch, demonstrating comprehensive knowledge of the software development lifecycle.

- Managed a dataset of 500K tweets and implemented real-time tweet search functionalities.
- Developed a FastAPI service for flagging profane tweets, supporting safe search functionalities.

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

- Developed a booking service backend using Go, Redis, and PostgreSQL, implementing complex booking logic and maintaining data integrity through PostgreSQL transactional operations.
- Enhanced performance and scalability through Redis caching, ensuring a seamless user experience during high traffic.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates in academic settings, using React.js for responsive UIs and FastAPI for backend logic.
- Provided detailed post-debate analytics to help educators enhance teaching strategies, showcasing a commitment to continuous improvement.

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, FastAPI, Django, Bash, JavaScript, Java, ReactJS, C#
- **Databases:** PostgreSQL, MongoDB, Redis, SQL
- **Infra:** Linux, Docker, Kubernetes, Openshift
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA, ConnectWise
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP

Soft Skills

- Strong communication skills
- Effective time management and organizational skills
- Attention to detail
- Team collaboration and support
- Problem-solving mindset