

Rayan Crasta - Junior Software Developer

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

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

Summary

Ambitious and passionate junior software developer with a solid foundation in system design, software development, and database management. Eager to leverage technical skills in building innovative web and mobile applications utilizing modern technologies. Committed to continuous learning and growth in collaborative team environments, aiming to contribute effectively to dynamic projects.

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 effectively.
- Supported kitchen operations through dishwashing, food prep, and maintaining a clean and organized environment.

Hap Solutions - Festival and Bar Staff (Part Time)

June 2024 – Aug 2024, UK

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

Royal Mail – Warehouse Operative (Part Time)

Nov 2023 – Dec 2023, Northampton, UK

- Loaded and unloaded shipments, sorted items efficiently, and optimized workflow to meet operational demands.

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, saving 900+ hours of manual effort and earning the “Best Team” award.
- 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 the existing architecture, enhancing overall system security.
- Performed manual web application security testing using OWASP ZAP and Burpsuite, effectively identifying and addressing vulnerabilities to improve application security.

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.
- Streamlined machine learning models to facilitate automatic actions upon detecting explicit content within image files.

Projects

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

- Created a Twitter-like backend prototype utilizing Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch.
- Managed a dataset of 500K tweets, categorized by language, and ingested into Elasticsearch via Kafka for efficient search capabilities.
- Developed user and tweet search functionalities, including pagination for improved user experience.

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

- Designed a booking service backend prototype using Go, Redis, and PostgreSQL, implementing booking logic for seamless user experience.
- Enhanced performance through Redis caching, ensuring efficient seat availability and reducing database calls.

Debate Management System (Dissertation Project)

- Developed a platform for managing structured debates in academic settings, incorporating gamification and real-time feedback mechanisms.
- Utilized React.js for responsive UI and FastAPI for backend logic, with PostgreSQL for authentication 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:** Go, Python, Java, JavaScript, Bash, ReactJS
- **Frameworks:** FastAPI, Django
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infra:** Linux, Docker, Kubernetes
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills:** Strong communication, Team collaboration, Problem-solving, Adaptability, Continuous learner