Rayan Crasta - Software Engineer

Email: rayancrasta95@gmail.com | **Contact**: +44 7767591427
Location: Leeds, UK | LinkedIn | http://rayancrasta.com | GitHub

Summary

Passionate software engineer with experience in software development, system design, and database management. Eager to contribute to the design, development, and implementation of innovative software solutions in a collaborative, agile environment. Committed to delivering high-quality features and exceptional coding techniques while supporting the full software product lifecycle. Seeking to leverage technical skills and problem-solving abilities to make a meaningful impact at TBA Group.

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 efficiently.
- Supported kitchen operations through dishwashing, food prep, and maintaining cleanliness, demonstrating strong teamwork and adaptability.

Hap Solutions - Festival and Bar Staff (Part Time)
June 2024 – Aug 2024, UK

- Delivered excellent customer service at festivals and events, effectively managing bar operations and addressing customer needs promptly.

Royal Mail – Warehouse Operative (Part Time)
Nov 2023 – Dec 2023, Northampton, UK

- Loaded/unloaded shipments and sorted items efficiently to optimize workflow, gaining insight into warehouse operations and logistics.

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, showcasing strong debugging skills and attention to detail.
- 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, ensuring high-quality delivery of secure software solutions.
- Conducted manual web application security testing using OWASP ZAP and Burpsuite, identifying and addressing critical vulnerabilities, thus enhancing 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 on Android devices.
- Integrated a streamlined machine learning model to facilitate automatic actions upon detecting explicit content within image files, 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, managing a dataset of 500K tweets categorized by language.
- Utilized Elasticsearch for real-time tweet search and immediate availability of ingested tweets, 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.
- Enhanced performance with Redis caching for seat availability, reducing database calls and improving scalability.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates in academic settings, incorporating gamification, quizzes, and real-time feedback.
- Built using React.js for responsive UIs and FastAPI for backend logic, with 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**: Go, Python, Java, JavaScript, Bash, C/C#
- **Frameworks**: FastAPI, Django, ReactJS
- **Databases**: PostgreSQL, MongoDB, Redis, SQL
- **Infra**: Linux, Docker, Microsoft Windows Server
- **Tools**: Kafka, Elasticsearch, Jaspersoft Reporting, Prometheus, Grafana
- **Security**: Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills**: Strong problem-solving, effective communication, team collaboration, adaptability, attention to detail, customer-focused mindset