Rayan Crasta - Graduate Software Engineer

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Visa: Graduate Visa till December 2026

Summary

Motivated graduate software engineer with strong foundations in software development and system design. Experienced in building applications and enhancing security measures with a team-oriented approach. Eager to contribute to innovative solutions in a dynamic fintech environment, aiming to deliver impactful results for customers while expanding technical skills and knowledge.

Work Experience

Primark - Retail Assistant
Nov 2024 – Present, UK

- Delivered exceptional customer service by assisting shoppers with inquiries, product selections, and transactions in a fast-paced retail environment.
- Efficiently handled point-of-sale transactions and resolved customer concerns to enhance the shopping experience.

Mint People - Front of House Staff & Kitchen Porter (Part Time)
May 2024 – Aug 2024, UK

- Provided customer service in restaurants and clubs, managing reservations and seating while 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, managing bar operations effectively.

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. Recognized with "Best Team" award for the initiative.
- Conducted security analysis on Angular and Spring Boot codebases using Checkmarx and Fortify WebInspect to identify and mitigate critical vulnerabilities.
- Integrated third-party antimalware and data tokenization solutions into existing architectures.
- Conducted manual web application security testing using OWASP ZAP and Burpsuite, enhancing application security through proactive vulnerability identification and remediation.

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.
- Streamlined the machine learning model to facilitate automatic actions upon detecting explicit content within images.

Projects

TweetOps: Twitter-like Tweet Ingestion and Search Backend Blog | GitHub

- Developed a Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch.
- Managed a dataset of 500K tweets, categorized by language, and ingested into Elasticsearch via Kafka for real-time search capabilities.
- Implemented user and tweet search functionalities with pagination using PostgreSQL and Elasticsearch.

MyShowSeat: Booking Service Backend Blog | GitHub

- Developed a booking service backend prototype using Go, Redis, and PostgreSQL.
- Implemented booking logic ensuring a seamless user experience during high traffic and maintained data integrity with PostgreSQL transactional operations.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates in academic settings, incorporating gamification 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, FastAPI
- **Databases**: PostgreSQL, MongoDB, Redis
- **Infra**: Linux, Docker, Kubernetes
- **Tools**: Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security**: Burpsuite, Checkmarx, OWASP ZAP

Soft Skills

- Excellent communication skills
- Team-oriented with a collaborative mindset
- Proactive and eager to learn
- Adaptable to feedback for continuous improvement
- Strong problem-solving abilities