

Rayan Crasta - Azure Engineer

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Summary

Motivated software engineer with strong experience in system design, software development, and database management. Proficient in building high-performance applications and optimizing infrastructure. Adept in collaborating in team environments, with a focus on delivering effective solutions. Seeking to leverage my skills in a dynamic Azure Engineer role.

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.
- 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, managed bar operations.

Royal Mail – Warehouse Operative (Part Time)

Nov 2023 – Dec 2023, Northampton, UK

- Loaded/unloaded shipments and sorted items efficiently to optimize workflow.

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 time. Recognized with the “Best Team” award for this achievement.
- Conducted security analysis on Angular and Spring Boot codebases using Checkmarx and Fortify WebInspect, identifying and mitigating vulnerabilities.
- Integrated third-party antimalware and data tokenization solutions into the existing architecture.
- Performed manual web application security testing using OWASP ZAP and Burpsuite, improving overall 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.
- Integrated a streamlined machine learning model to facilitate automatic actions upon detecting explicit content within image files.

Projects

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

- Developed a backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch.
- Managed a dataset of 500K tweets, ingested into Elasticsearch via Kafka for real-time search functionality.

- Implemented user and tweet search functionalities including pagination, ensuring efficient data retrieval.

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

- Developed a booking service backend using Go, Redis, and PostgreSQL with a focus on high traffic handling and data integrity.
- Implemented JWT token-based authentication for secure service access and utilized Redis caching to improve performance.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates in academic settings, utilizing React.js and FastAPI for responsive UI and backend logic.
- Employed PostgreSQL for authentication and MongoDB for data storage, with real-time updates enabled by Redis and WebSockets.

Education

University of Leicester

MSc Cloud Computing (Sept 2023 - 2024)

Mumbai University

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

Skills

- **Languages:** Java, Go, Python, Bash, JavaScript, Java
- **Databases:** PostgreSQL, MongoDB, Redis
- **Cloud & Infra:** Azure, Linux, Docker, Kubernetes
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Methodologies:** Agile, DevOps
- **Soft Skills:** Strong communication, teamwork, problem-solving, adaptability