

Rayan Crasta - Automation Engineer

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Visa: Graduate Visa till December 2026

Summary

Results-driven automation engineer with a strong programming background and expertise in developing automated solutions. Skilled in system design, software development, and database management, with a passion for improving business operations through innovative automation strategies. Seeking to leverage technical skills in a collaborative environment to drive efficiency and streamline processes.

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, 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.

Tata Consultancy Services – Assistant Systems Engineer (Full Time)

June 2021 – Aug 2023, Mumbai, India

- Developed automation scripts using bash to streamline the hardening process of over 100+ Linux servers for compliance, saving 900+ hours of manual compliance time. Recognized with 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, enhancing security measures.
- Conducted manual web application security testing using OWASP ZAP and Burpsuite, improving application security by addressing identified 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 on Android devices.
- Streamlined a 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 Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch, focusing on automating tweet ingestion and search functionalities.
- Managed a dataset of 500K tweets, categorized by language, and integrated into Elasticsearch via Kafka for efficient data handling.
- Created user and tweet search functionalities, ensuring quick access to data and improved user experience.

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

- Developed a booking service backend prototype using Go, Redis, and PostgreSQL, implementing automation for booking processes.
- Utilized Go's concurrency for asynchronous processing, ensuring efficient handling during high traffic periods.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates in academic settings, incorporating real-time feedback and analytics.
- Built using React.js for responsive UIs and FastAPI for backend logic, ensuring integration with PostgreSQL for data management.

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, Bash, JavaScript, Java, Django, ReactJS
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infra:** Linux, Docker, Kubernetes
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills:** Strong problem-solving abilities, effective communication, teamwork, adaptability