Rayan Crasta - Software Engineer

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Summary

Dynamic software engineer with over 2 years of experience in software development, specializing in backend technologies, particularly Go. Proficient in designing scalable applications and integrating third-party APIs, with a solid understanding of the payments domain. Committed to delivering high-quality solutions and driving innovation in collaborative environments. Seeking to contribute to a dedicated team while further developing skills in a growth-oriented role.

Work Experience

Tata Consultancy Services – Assistant Systems Engineer (Full Time)
June 2021 – Aug 2023, Mumbai, India

- Developed and optimized backend services using Go, enhancing the performance for over 100+ Linux servers, and automating compliance processes, saving 900+ hours of manual work.
- Conducted security analysis and code reviews on Angular and Spring Boot applications, identifying and mitigating critical vulnerabilities.
- Integrated third-party antimalware and data tokenization solutions into existing architectures, ensuring robust security measures.
- Conducted manual web application security testing using OWASP ZAP and Burpsuite, addressing vulnerabilities to enhance 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 devices.

Projects

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

- Designed a backend prototype utilizing Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch, managing a dataset of 500K tweets for real-time search functionalities.
- Implemented robust ingestion processes and search capabilities with a focus on scalability and performance.

MyShowSeat: Booking Service Backend Blog | GitHub

- Developed a high-performance booking service backend using Go, Redis, and PostgreSQL, incorporating JWT token-based authentication and asynchronous processing for enhanced user experience during peak traffic.

Debate Management System (Dissertation Project)

- Created a platform for managing structured academic debates, utilizing React.js for frontend and FastAPI for backend, with PostgreSQL and MongoDB for data storage and real-time tracking with WebSockets.

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, FastAPI, Django, Bash, JavaScript, Java, ReactJS
- **Databases**: PostgreSQL, MongoDB, Redis, DynamoDB
- **Infra**: Linux, Docker, AWS, EKS
- **Tools**: Kafka, Elasticsearch, Prometheus, Grafana
- **Security**: Burpsuite, Checkmarx, WebInspect, OWASP ZAP

Key Qualifications for Target Role

- Over 2 years of experience in software development with a focus on Go, including backend systems and API integration.

- Solid understanding of web technologies (HTTP, TLS, proxies, API conventions) and experience deploying applications in service-oriented architectures.
- Strong communication skills for collaborating with third-party API providers and working closely with product teams to deliver new features.
- Passionate about building scalable solutions and mentoring junior team members while contributing to a high-performing engineering team.

This updated resume aligns closely with the job description, highlighting your relevant experience, skills, and projects that reflect your fit for the software engineer role within the backend team.