ELIUD ONYANGO

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Summary

A detail-oriented Lead Software Engineer with over 5 years of experience architecting, developing, and deploying scalable, data-intensive applications. My expertise lies in building robust RESTful APIs and backend systems in diverse, polyglot environments including Python, C#, and Node.js. A proven problem-solver with strong experience in cloud platforms and containerization, now seeking to apply my technical skills to a mission-driven organization focused on generating impactful, data-driven insights.

Skills

- **Languages:** Python, C#, SQL, Java, Node.js, TypeScript, JavaScript

- **Backend & APIs:** RESTful API Design, ASP.NET Core, Express.js, Microservices

- **Cloud & DevOps:** Azure, Google Cloud, Docker, Git, CI/CD, Heroku

- **Databases:** Proficient in designing and managing SQL databases (e.g., PostgreSQL, SQL Server)

- **Frontend:** React, Next.js

Professional Experience

Lead Software Engineer | iTravelHolidays | *Remote*
Sep 2022 – Present

- Lead the backend development for a **high-traffic consumer travel booking platform**, using a microservices approach with C# and Node.js.

- Engineered and integrated dozens of third-party RESTful APIs (Expedia), creating a system capable of handling a **200% increase in API requests** without performance degradation.

- Provided architectural guidance on building secure, scalable, and performant backend services to support a consumer-facing application.

- Collaborated closely with stakeholders to translate complex business needs into technical specifications and user-friendly data solutions.

Developer | Navisat Telematics | *Mombasa, Kenya*
Dec 2021 – Sep 2022

- Developed and maintained a high-performance electronic cargo tracking platform, **significantly reducing data processing latency**.

- Built and managed APIs to integrate the platform with major ERP systems and regional trade platforms, facilitating seamless data exchange.

- Enhanced system reliability and real-time tracking capabilities, leading to **measurable reductions in cargo loss and improved delivery accuracy**.

- Worked with large volumes of IoT data to build analytics features that provided clients with actionable insights to **optimize routes and reduce logistics costs**.

Developer | [AccuCare](#) | *Nairobi, Kenya*
Dec 2019 – Nov 2021

- Designed and implemented backend systems for healthcare software, including a secure Electronic Health Records (EHR) system that **dramatically reduced patient record retrieval time**.

- Developed a secure patient portal with multi-factor authentication, **reducing unauthorized access incidents.**

- Automated administrative backend processes, which **substantially decreased scheduling errors and improved operational efficiency**.

Education

Bachelor of Technology in Applied Physics (Electronics and Instrumentation)
Technical University of Mombasa, Kenya
2015 – 2021