ABASS AHMED ABDI, SOFTWARE ENGINEER

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Professional Summary

Experienced Software Engineer with 7 years of expertise in developing robust applications using Laravel, React, and Spring Boot. Proven track record in delivering high-quality solutions in agile environments, with strong skills in DevOps practices and experience managing AWS services. Known for working effectively under pressure and with minimal supervision, I am dedicated to optimizing the software development lifecycle through strong problem-solving skills and a proactive approach to continuous improvement.

Work History

ERP Developer (Consultant.)   *06/2024 - Current*
Doli Law Corporation – *Etobicoke, ON*
- Develop an ERP system to streamline client registry and case management processes, enhancing operational oversight**.**
- Deploy the ERP on AWS instances, managing clusters to optimize cost efficiency and system performance

Tools Used:

For the backend, I utilized Laravel due to its straightforward, maintainable code structure and integration capabilities. I implemented JWT for secure authentication, paired with a React.js frontend. To manage high traffic effectively, I used Cloudflare, while Laravel Pusher enabled real-time notifications. The application is hosted on an AWS EC2 instance to ensure reliability and scalability**.**

Software Developer (Consultant).   *02/2023 – 10/2023*
Tiberbu Healthnet Limited – *Nairobi, Kenya*
- Contributed to the development of a Universal Healthcare Unit currently in use across Kenya
- Conducted training sessions for doctors and healthcare workers, ensuring effective use of the system.
- Continually maintain and enhance the system with new features to meet evolving healthcare needs.

Tools Used:

For the backend, we leveraged Frappe, a low-code Python framework, alongside Flutter for mobile applications. We utilized API Gateway with APISIX for efficient API management and deployed Amazon Elastic Kubernetes Service (EKS) to ensure scalable and resilient infrastructure. To handle high traffic efficiently, we implemented Cloudflare for optimized load balancing and security

Backend Developer   *09/2018 – 12/2022*
Ponea Health Limited – *Ebene, Mauritius*

- Collaborated on developing Concierge, the core system that integrates the Patient App, Appointments, Delivery App, and Doctors App.
- Conducted training sessions for staff members to ensure proficient use of Concierge.
- Implemented adjustments and improvements to Concierge based on feedback and requirements from the Product Manager.

Tools Used:

For the backend, we implemented Spring Boot microservices following 12-factor app development principles. We utilized Redis for distributed caching, SQL Server as the database, and React.js for the frontend. JWT was implemented to ensure secure authentication

System Administrator *10/2017 – 08/2018*
Konvergenz Network Solutions *– Nairobi, Kenya*
- Contributed to the design and deployment of the organization's Active Directory infrastructure.
- Developed a streamlined system for the HR team, enabling them to add users through a portal that automatically integrates with Active Directory, eliminating the need for direct AD access. This innovation simplified and accelerated the user onboarding process.

Education & Professional Qualifications

University of Nairobi: *– Bachelors of Science (Mathematics and Computer Science)*

Professional Certificates:

- *Certified Oracle SQL Developer*
- *Certified Azure Developer*
- *AWS Cloud Practitioner*
- *AWS Solution Architect Associate*