Melissa Gardner

Lead Software Engineer - Healthcare

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SKILLS

Go (Golang) • gRPC • Kubernetes • Prometheus • Grafana • Docker • Microservices • REST APIs • CI/CD • Cloud (GCP/AWS) • Observability • Distributed Systems • SQL/NoSQL

EXPERIENCE

Lead Software Engineer — MediHealth Systems
March 2023 – Present
Led design and delivery of a Go-based microservices platform for patient data across clinics, reducing API latency by 40% and maintaining 99.95% uptime. Managed a cross-functional team of 6 engineers and delivered 12 services over 18 months. Implemented Go, gRPC, Kubernetes, and Prometheus-based observability to shorten incident response and accelerate deployments by 30%.

Senior Software Engineer — Global HealthTech
July 2020 – February 2023
Built backend data ingestion services in Go with gRPC interfaces to healthcare data systems, deployed on Kubernetes. Implemented Prometheus metrics and Grafana dashboards, achieving faster detection and improved SLA compliance. Mentored 3 engineers and contributed to API design, security hardening, and CI/CD automation.

Software Engineer — Hospicare Solutions
May 2017 – June 2020
Developed Go-based backend services for clinic data management with REST/gRPC bridges to legacy systems. Containerized with Docker and deployed to Kubernetes, enabling scalable provisioning and 25% faster deployments. Introduced Prometheus-based metrics and lightweight Grafana dashboards, improving mean time to detection and system reliability.

EDUCATION

Master of Science in Computer Science
University of Maputo
Graduated: 2015