

Robert Ngetich

Software Engineering Consultant

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Profile

Seasoned Software Engineer and Technical Lead with nearly two decades of experience modernising legacy platforms, driving large-scale cloud migrations, and building resilient full-stack systems across banking, insurance, automotive, and retail. Known for combining hands-on development with strategic architecture to deliver scalable, cost-efficient, and future-proof solutions.

Full & detailed resume available at www.robertngetich.com 🔗

Skills

Languages & Frameworks

Java, Spring Boot, C#, C++, JavaScript, Angular, Python, SQL, Kafka

Architecture & Tools

Microservices, Docker, Kubernetes, AWS, Jenkins, Git, Apigee, OpenShift

Dev Practices

Agile, CI/CD, TDD, DevOps, Performance Tuning

Professional Experience

Cyber Craft

Software Engineering Consultant

04/2025 – present

Paris, France

Founded a consulting micro-enterprise focused on delivering scalable, tailored software solutions to help organizations overcome three key challenges:

- **Legacy systems:** Costly to maintain and increasingly difficult to support. I guide enterprises through modernization using my experience in software transformation.
- **Integration complexity:** Where multiple tools and platforms coexist, I design integration strategies that streamline data exchange and improve efficiency.
- **Unmet software needs:** When off-the-shelf solutions fall short, I help build bespoke software tailored to unique business requirements.

BMW IT Hub

Technical Lead – Mainframe Migration

02/2024 – 12/2024

Johannesburg,
South Africa

Led a team in planning a migration of over 60 legacy mainframe applications to cloud-native infrastructure.

- Designed repeatable migration plans including data, batch jobs, and encoding concerns
- Evaluated transpilation tools (Heirloom, Blu Age, Astadia)
- Delivered CI/CD pipelines and monitoring for production readiness
- Enabled cost savings and maintainability in future-state architecture

BMW IT Hub

Solutions Architect – Ordering Platform

Oversaw migration of legacy JEE ordering systems to web services on BMW's private cloud.

- Decomposed monolith into microservices using top-down design
- Reduced a critical stock optimization job's runtime by 67%
- Built cloud architecture plans balancing cost and scalability

06/2023 – 01/2024

Johannesburg,
South Africa

Bluebean Software (UAE Project)

Technical Lead – Central Banking Platform

Collaborated across borders to deliver a performant central banking solution for the UAE.

- Improved feature velocity while addressing legacy debt
- Designed high-throughput transaction handling with in-memory caching
- Containerized deployment for resilient scaling via OpenShift

07/2022 – 05/2023

Johannesburg,
South Africa

BMW IT Hub

Senior Java Developer – Production Planning Platform

Developed a web application to replace legacy file based production planning.

- Enabled real-time collaboration and data accuracy across plants
- Delivered seamless API integration into other BMW systems

01/2021 – 06/2022

Johannesburg,
South Africa

Earlier Experience

Senior Java Developer

First National Bank

01/2020 – 12/2020

Johannesburg, South Africa

Integration Specialist

Ernst & Young (EY)

09/2014 – 12/2019

Johannesburg, South Africa

Senior Developer / Analyst Roles

Izazi Software, Argility, Momentum, Alacrity Software

01/2007 – 10/2014 | South Africa

Junior Developer & IT Technician

Fidentia Pty Ltd, Ziton 2004 – 2007

11/2004 – 12/2006 | South Africa

Education

Cape Peninsula University of Technology

BTech in Information Technology

01/2001 – 04/2005 | Cape Town, South Africa

Projects

Bank Middleware APIs

Discovery Bank

Delivered secure API integration layer with JWT, mutual TLS, Springboot & Docker

Software Integration

Mercantile Bank

Enabled real-time syncing and integration between two major customer systems via TIBCO JMS

Languages

English – Fluent

French – Intermediate

Swahili – Fluent