

Sesethu Aphelele Nogemane

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Summary

A proficient Software Developer with expertise in translating business needs into technical specifications, developing, and maintaining scalable, high-performing code. Skilled in designing and deploying BI solutions, integrating complex systems, conducting data analyses, and creating impactful visualizations. Adept at maintaining data analytics platforms, providing client data support, and delivering technical documentation. Strong background in JVM (Java, Scala, Kotlin) and Rust (C++) with experience using modern tools such as Prometheus, Elasticsearch, and Grafana Loki. Demonstrates a strong understanding of concurrency, multithreading, and code performance while maintaining a focus on usability and business impact.

Technical Expertise

- **Languages:** Java, Scala, Kotlin, Rust, C++, Python, JavaScript, TypeScript, PHP, HTML, CSS
 - **Frameworks:** Spring Boot, Django, Laravel, Angular, React, Bootstrap, .NET Core
 - **Database Systems:** MySQL, PostgreSQL, SQL Server, Oracle, InfluxDB, Prometheus
 - **BI Tools:** Power BI, Tableau, SSRS, Jasper
 - **Cloud Services:** AWS, Azure, Docker, Kubernetes
 - **DevOps Tools:** Azure DevOps, Git, GitHub, Jira, Prometheus, Grafana Loki
 - **APIs:** REST, SOAP
 - **Testing Tools:** Unit Testing, Postman
 - **Other:** Kafka, Elasticsearch, Prometheus, InfluxDB, Grafana Loki, D3.js, CI/CD
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Experience

Software Developer

Cloud4SA

June 2024 – Present

Sandton, Gauteng, South Africa

- Designed, built, and deployed BI solutions, including data warehousing models, that support advanced data analytics and reporting capabilities.
- Evaluated and enhanced existing BI systems, ensuring optimized performance and data integrity across platforms.
- Collaborated with cross-functional teams to integrate various systems, improving overall business processes.
- Developed and executed SQL queries to support data analysis efforts, resulting in meaningful insights for business decisions.

- Conducted unit testing, ensuring code scalability and performance across JVM languages (Java, Scala, Kotlin) and Rust.
- Provided technical documentation and client support for data analytics solutions.

Junior Software Engineer

PAICTA

Feb 2023 – Aug 2023

- Led development of the PAICTA Secure Academy learning management system, responsible for both backend and frontend development.
 - Integrated Laravel for backend services and PostgreSQL for data management.
 - Contributed to the development of the PAICTA Intern Management System (IMS) to track intern work hours and deliverables using Django.
 - Built the frontend using HTML, CSS, and JavaScript frameworks.
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Key Projects

MyResume Website

August 2023

Built a personal resume website, showcasing skills in JavaScript, HTML, CSS, and Bootstrap.

URL: <https://aphelele.vercel.app/>

SA-LP Software Crypto Casino

July 2023 – August 2023

Developed a gaming solution using JavaScript, PHP, and Node.js, integrating several PHP extensions including cURL and OpenSSL.

Education

WSU - Walter Sisulu University

Bachelor's Degree in Computer Software Engineering

Jan 2023 – Dec 2023

National Diploma in Computer Programming

2019 – 2023

Python Development Training

Nov 2022 – Feb 2023

Skills Matrix

Skill	Level	Years of Experience
Languages		
Python	Expert	4
Java	Advanced	4
Scala	Advanced	3
Kotlin	Intermediate	3
Rust	Advanced	4
SQL (MySQL, PostgreSQL)	Advanced	4
HTML / CSS / JavaScript	Expert	5
Frameworks		
Spring Boot	Advanced	3
Django	Advanced	5
React / Angular	Advanced	4
Database		
PostgreSQL	Advanced	4
Prometheus	Advanced	3
Elasticsearch	Advanced	3
Cloud / DevOps		
AWS / Azure	Intermediate	4
Docker / Kubernetes	Intermediate	4
Git / GitHub	Expert	5
Kafka	Advanced	5

References

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