

Thabang Ramathe

Full-Stack Software Engineer — Java & Spring Boot — AWS & Terragrunt — Platform-Minded

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Professional Summary

Full-stack Software Engineer with a strong preference for backend development, experienced in building scalable, maintainable systems using Java and Spring Boot. Proven ability to solve complex problems, quickly learn new technologies, and take growing ownership of features from technical design through implementation and continuous improvement. Developing expertise in platform and infrastructure engineering, including Infrastructure as Code using Terraform and Terragrunt. Seeking an intermediate role with greater technical responsibility, system ownership, and opportunities to contribute to both product and platform initiatives.

Experience

Momentum Insure

Since January 2025

Java Developer (Contractor)

Johannesburg, Gauteng Province

- Migrated multiple legacy Java 8 microservices to Spring Boot on Java 21 and AWS EKS, improving maintainability, modernizing deployment pipelines, and enabling cloud-native operations.
- Designed and implemented a production REST API used by Momentum's web and mobile applications to support a strategic partnership with Tiger Wheel & Tyre.
- Provisioned and configured Momentum Insure's TRN environment on AWS using Terragrunt, strengthening infrastructure automation and deployment consistency.
- Contributed to the development of a compute service responsible for calculating SafeDayz benefits, ensuring accuracy and reliability for customer-facing functionality.
- Collaborated closely with cross-functional teams to support technical design discussions and deliver scalable backend solutions.

Psybergate Pty (Ltd)

Since August 2022

Junior Java Developer

Johannesburg, Gauteng Province

- Developed and maintained full-stack features for enterprise applications, contributing across backend services, frontend interfaces, and database integrations.
- Built functionality for an order and deposit management system integrated with SBV Connect, supporting operational workflows and improving process efficiency.
- Contributed to internal applications including time-tracking and recruitment systems, enhancing usability and supporting business operations.
- Implemented end-to-end testing using Cypress for a patient management system, improving test coverage and system reliability.
- Participated in a proof-of-concept project exploring the adoption of C# for enterprise application development.

Psybergate Pty (Ltd)

Feb 2022 – July 2022

Intern

Johannesburg, Gauteng Province

- Developed full-stack features for a financial forecasting platform using Angular, Spring Boot, and PostgreSQL.
- Contributed to tools for investment forecasting, loan calculations, and tax return estimation, supporting accurate financial planning functionality.

Amazon Web Services

May 2021 – Aug 2021

SDE Intern

Cape Town, Western Cape

- Built an automated web crawler using TypeScript and Puppeteer to discover documentation pages for testing coverage.
- Developed automated functional tests using Mocha and Chai, improving reliability of AWS documentation platforms.

Technical Skills

Languages: Java, TypeScript, Python, C#, JavaScript

Backend & Frameworks: Spring Boot, REST APIs, Microservices, Node.js

Frontend: React, Angular, PrimeNG, PrimeReact, Cypress

Cloud & Platform: AWS (EKS), Terraform, Terragrunt, CI/CD, Infrastructure as Code

Education

University of Cape Town

2017 – 2020

Bachelor of Science in Computer Science and Business Computing

Cape Town, Western Cape

- **Relevant Coursework:** Data Structures and Algorithms (Java), Mobile Development (Android), Concurrent and parallel programming (Java), Computer Architecture (Assembly), Computer Networks (Java), Operating Systems (Java), E-commerce, IT Project Management, BPM and Enterprise Systems (JavaScript, HTML, CSS), System Analysis, System Design & Development (C#)