Gershom Maluleke

Java Software Developer

Gershom is a hardworking and ambitious individual with a great passion for the IT industry. He has strong technical skills as well as excellent interpersonal skills, enabling him to interact with a wide range of clients. Gershom is very eager to be challenged in order to grow and further improve his IT skills. Gershom is well organized, efficient and professional person.

WORK APPROACH

ROLE APPROACH

Gershom's work style is extremely flexible. Although he can work on multiple projects at a time, he tries to work on one project at a time, working very quickly and efficiently as possible to achieve the highest results. While he completes most his work independently, Gershom also values input and will consult with team members to ensure that we're all on the same track.

PROJECT EXPERIENCE

Company: IQ Business

Client: Entersekt (Consulting)

Project Name: Tap to Pay Issuer Wallet Push Provisioning

Role: Java, Android and Golang developer

Duration: 01.12.2019 – 13.12.2019

Project Overview: Gershom was responsible for adding a push provisioning feature to an existing Tap2Pay issuer wallet. This feature added a generic capability that enables cardholders to "push" a token from the issuer wallet into a destination wallet, in this case Samsung Pay.

The following technologies were used on this project: Java, Android, Golang, GRPC, Docker, Gradle and Maven.

Responsibilities: Gershom was responsible for backend development in Golang and Java. This work also included updating an existing Tap2Pay Android SDK to add the push provisioning capabilities. His role also included assisting the product owner in conducting demos to major client stakeholders at the end of every sprint.

SKILLS

Software Development
Good problem-solving skills
Good organizational skills
Time management
Ability to work as part of a team
Attention to detail

INDUSTRIES

Defense and Aerospace Consulting (Payments) Education

Technologies

Java	
Golang	
Kubernetes	
Docker	
Android	
Maven	
Gradle	
Junit and Mockito	
Hibernate and JPA	
Spring boot and Spring	
HTML and CSS	
AngularJS	
MyBatis	
TypeScript	
PostgreSQL	
MySQL	
JavaScript	
Ionic 5	
Azure	
REST	• • • • •
SOAP	
JAX RS	• • • • •
Microservices	

CI/CD(Gitlab/Jenkins)

PROJECT EXPERIENCE

Company: IQ Business

Client: Entersekt (Consulting)

Project Name: Tap to Pay Issuer Wallet

Role: Java, Android and Golang developer

Duration: 07.01.2019 - 08.05.2020

Project Overview: Gershom was part of a team that developed an Android SDK and a demo application for an NFC payment wallet. This solution was targeted at Android banking customers who require a single app for all their digital payment needs. This solution allows bank customers to perform NFC payments directly from their banking app without relying on third party wallet apps(i.e. Samsung or Apple Pay) or a need for a physical bank card.

The following technologies were used on this project: Java, Android, Golang, GRPC, Docker, Kubernetes, Cockroach DB, Rancher, Helm, Junit, Gradle and Mayen.

Responsibilities: Gershom was primarily responsible for backend development in Golang and Java. He also assisted with developing the Android SDK. His role also included assisting the product owner in conducting demos to major client stakeholders at the end of every sprint.

Company: IQ Business

Client(s): Nedbank, Impala Plattinurm and Schools (Consulting)

Project Name: Covid-19 Workforce Management System

Role: Java, Spring boot, Azure, Cosmos DB, Ionic, Angular 9

Duration: 15.05.2020 - Current

Project Overview: Gershom is part of a team that is developing a Progressive web app called workforce-management-system. This solutions is being developed to manage employees post covid-19. This app has among other things functionality for contact tracing within an organization for people with covid-19 and those that they may have encountered while visiting an organization's premises.

The following technologies were used on this project: Java, Spring Boot, Docker, Cosmos DB, Gitlab-Cl, Azure, Ionic, Junit, Angular 9, Netflix Zuul, Netflix Eureka, Microservices and Maven.

Responsibilities: I'm a full stack developer on this project, meaning I am involved in both the backend and frontend of the solution, so I have a better understanding of how these technologies work together.

Tools

IntelliJ

Android Studio

Goland

Jira

Confluence

Bitbucket

VS code

SourceTree

Gitlab-Cl

Jenkins

Rancher

Gitlab

Operating systems

Windows

Linux

Methodology

Agile

PROJECT EXPERIENCE

Company: Paramount Advanced Technologies

Project Name: IoT gateway(Internal Project)

Role: Junior Software Engineer

Duration: 05.01.2018 - 02.06.2018

Project Overview: Gershom was responsible for developing an IoT gateway API to accept, store and visualize device/ sensor data pushed by partner clients. The idea was to integrate client databases to visualization platforms to allow clients to perform meaningful analysis on data. The following technologies were used on this project: Java, Spring boot, Maven, Hibemate, Angular 5, JSON, REST and PostgreSQL.

Responsibilities: Gershom was responsible for mostly backend development. This included adding new sensor devices to the server, configuring databases for new clients, integrating the gateway to third party APIs for data visualization and analysis.

Company: Paramount Advanced Technologies

Industry: Aerospace and defence

Project Name: Ground Mission Station (UAE Client)

Role: Junior Software Engineer

Duration: 01.07.2018 - 30.12.2018

Project Overview: This project involved implementing a ground mission station for a military drone. The ground station was responsible for communicating with the drone while it is on flight. The following technologies were used for this project: Java, JSF, Spring, HTML, CSS, Maven, Junit, PostgreSQL.

Responsibilities: Gershom's role on this project involved writing well designed, testable, and efficient code. He was also involved in all phases of the software development life cycle. Developing documentation to assist end users.

PROJECT EXPERIENCE

Company: University of Pretoria

Industry: Education - Hnours Software Engineering Project

Project Name: UP Navigation System

Role: Full Stack developer

Duration: 01.06.2017 – 30.11.2017

Project Overview: The UP-Navigation System solution was a web-based and developed to assist students, staff and visitors to traverse the University of Pretoria Hatfield campus with ease. The system provided functionality such as finding the optimal route between geographic points, points of interest, events currently happening, routes for disabled people etc. The following technologies were used for this project: ArcGIS, ArcMap, Java, Spring boot Angular 4, Maven, Mockito, JUnit, JSON and MySQL.

Responsibilities: Gershom was responsible for implementing the GIS and navigation modules of the system. His role involved extracting storing GIS data and implementing the navigation functionality of the system.

Company: University of Pretoria

Industry: Education - Undergraduate Final Year Project

Project Name: Esolang Compiler

Role: Full stack developer

Duration: 01.01.2016 – 30.11.2016

Project Overview: This solution was a web-based compiler for an esoteric language which was a made-up language designed by our client (BBD). The system was to be used to assess potential developers before hiring and this was done by presenting the user with a set of problems which they had to solve on the platform. This platform gave the user the capability to write code, compile code and submit their solutions for assessment.

We used technologies to develop this solution: Java, Angular JS, Hibernate,

Spring boot, Bootstrap, Postgres DB, ANTLR, JSON, HTML

Project GitHub link: https://github.com/Dzilafho/TeraBites

Responsibilities: Gershom was responsible for implementing the GIS and navigation modules of the system. His role involved extracting storing GIS data and implementing the navigation functionality of the system.

EDUCATION

University Name: University of Pretoria Qualifications:

- BSc Computer Science 2016 completed
- BSc(Hons) Computer Science • 2017 completed

CURRENT DEVELOPMENT

- Udemy courses
- · AWS certification
- · Clean code book by Robert Martin

DEMOGRAPHICS

GENDER • Male

DISABILITY • None

RACE • Black

ID Number • 9504185728088

ONLINE PROFILE

LINKEDIN:

https://www.linkedin.com/in/gershom-maluleke-097019116/

CONTACT DETAILS

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EMPLOYMENT EXPERIENCE

Company: University of Pretoria

Role: Operating Systems Tutor

Duration: 01.05.2017 – 30.12.2017

Responsibilities: This role involved the following: Setting up practicals for students, marking programming practicals, assisting students in completing programming

practicals and mentoring students.

Company: University Of Pretoria

Role: Database Systems Tutor

Duration: 01.05.2017 - 30.12.2017

Responsibilities This role involved the following: Setting up practicals for students, marking programming practicals, assisting students in completing programming

practicals and mentoring students

Company: Paramount Advanced Technologies

Role: Junior Software Engineer

Duration: 05.01.2018 – 30.12.2018

Responsibilities Gershom's realm of responsibility over the course of his time at Paramount Advanced Technologies has been vast. His core role was software development. He was also involved in software requirements gathering and analysis, software design, testing and code reviews. He was also involved

heavily in maintaining legacy systems.

Company: IQ Business

Role: Java Developer (Consulting)

Duration: 07.01.2019 - Current

Responsibilities: Gershom's primary responsibilities include designing and implementing Java applications, developing and testing software and resolving technical issues. He has been involved in two payments projects over his time at IQ business. One of the payment project that he worked on at for a client got certified by VISA. His role also included conducting demos for major client

stakeholders at the end of every sprint.