



Position: **Backend Software Engineer**

Reporting to: **Head of Development**

Opportunity Overview

[Signapps™](#) is a GDPR and POPI compliant messaging application that enables healthcare professionals to communicate and collaborate securely with each other about the care of patients in real time from any location.

The demand for technology that enables secure effective care coordination in the medical field is explosive. Signapps is right at the cusp of a wave of new generation of healthcare technology providers focusing on how to harness data and communication to drive outcomes.

We are a small team based in Cape Town with opportunities to work remotely. Our technology stack is Java-Kotlin / ReactJS /Xamarin. We are looking for a talented self-starter to fulfill a role in our backend software engineering team.

Purpose of the Job

You will be part of a team building a critical real-time communication platform. You will take part in the planning and delivery of a scalable architecture that can support a high load with full redundancy.

Key Responsibilities:

- Contribution to the scalable and reliable architecture
- Development and maintenance of the core backend components
- Establishing automated deployment and testing processes
- Integration with third party systems

Key Tasks

- Develop and maintain the core system components of the communication platform.
- Contribute to architecting and deploying a system that can scale according to demand with the necessary fault tolerance and redundancy structures in place.
- Manage deployment to cloud providers.
- Ensure databases are designed and performing optimally.



- Research and evaluate new technologies, components and tools for inclusion in our environment
- Involvement in the full software development lifecycle, including agile processes:
 - SCRUM and sprint planning
 - Continuous integration and automated deployment
 - Maintain an automated testing environment
- Planning and architecture
- Maintaining production systems

Requirements

- At least 5 years of backend development experience in a commercial environment
- (preferably one with external users)
- Java / Kotlin experience
- Familiarity with deployment to Linux environments
- Cloud platform experience advantageous
- Competent in using distributed source control systems
- Strong relational database experience
- Message queues and REST services

Bonus Requirements

- Worked with Akka
- Worked with event-driven architecture and CQRS
- Worked with microservices architecture

