

# Timothy Johnson

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## Summary

I am a fullstack software engineer with over 4 years of experience writing scalable and performant applications at one of Africa's top fintech companies. I am proficient in TypeScript, JavaScript, React, React Native, Python, Docker, Kubernetes, and PostgreSQL. I am seeking a frontend, backend, or fullstack role where I can both leverage and develop my skills to deliver high-quality software solutions. I'm excited to collaborate with talented teams and contribute to innovative projects.

## Experience

### Senior Fullstack Engineer

*Yoco Technologies, 2023-present*

As a Senior Fullstack Engineer, I took on additional responsibilities, leading to significant improvements in our React Native applications and team collaboration. My new responsibilities and highlights are:

- Implementing a 2FA system to allow users to change their details, resulting in a 90% reduction in manual support requests.
- Developing and maintaining a React Native module implementing FaceTec's native SDKs for use in our React Native application.
- Participate in the design of new backend services, following service-oriented architecture and eventing.
- Supporting and mentoring junior engineers on the team, helping to improve team efficiency and knowledge sharing.
- Developing and maintaining Python, TypeScript, and JavaScript applications and libraries, including unit tests, integration tests, and end-to-end tests with pytest, Jest, and Cypress.
- Performing code reviews on pull requests from colleagues.

### Fullstack Engineer

*Yoco Technologies, 2020-2023*

As a fullstack engineer in the Signup & Onboarding team, I worked on innovative solutions to automate user onboarding and reduce drop-off.

Other responsibilities and highlights include:

- Successfully leading a team to unbundle source code into reusable libraries.
- Containerizing internal applications for easier development and deployment.
- Developing and maintaining Python, TypeScript, and JavaScript applications and libraries, including unit tests, integration tests, and end-to-end tests with pytest, Jest, and Cypress.
- Performing code reviews on pull requests from colleagues.

### Website & Media Administrator

*Common Ground, 2016-2020*

During my studies I also worked part-time as a website and media administrator. My responsibilities included:

- Maintaining and developing WordPress websites using php, HTML, CSS, and JavaScript.
- Researching and implementing new processes to improve operational efficiency.
- Implementing a network solution for media sharing and storage.

## Skills

### Programming languages

- TypeScript
- JavaScript
- HTML & CSS
- Python
- Scala

### Frameworks & technologies

- React & React Native
- Tailwind
- Django
- FastAPI
- PostgreSQL
- Docker
- Kubernetes
- Automated testing
- Git

### Methodologies

- Agile/Scrum
- CI/CD
- Service-oriented architecture

## Projects

### outburst-analysis

Python program to process astronomical data, specifically stars in outburst or super outburst.

### Rediscover App

A work-in-progress that generates a Spotify playlist from a user's last.fm data for a given time period. It consists of a Go backend and a React frontend.

## Education

### Diploma in Information

### Technology (Software Development)

*Independent Institute of Education, 2017-2020*