

# Allistair Vilakazi

## Full-stack Web Developer

Biochemistry and Genetics

Remote | South Africa

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[alliv.dev](http://alliv.dev) | [alliv-c02d2.web.app](http://alliv-c02d2.web.app)

### PROFILE

Self-taught full-stack web developer with a strong background in JavaScript (React and Angular), Golang (go-kit microservices), and Azure compute and storage services.

### SOFT SKILLS

Leadership; Communication; Critical Thinking; Adaptive; Cultural Competency; Agile processes;

### HARD SKILLS

**Digital Design:** Adobe Photoshop; Adobe Illustrator; Adobe InDesign; Adobe XD; Figma

**Languages:** JavaScript (TypeScript); Dart; Golang; Python; Kotlin; HTML; CSS

**Frontend:** Angular; React; Gatsby; Next.js; MaterialUI

**Backend:** Node.js; Express; go-kit; NestJS; Django

**Database:** PostgreSQL; MongoDB; Cloud Firestore; Firebase Realtime Database; ORMs

**CI/CD & Testing:** Github Actions; Travis; Azure Pipelines; Unit, Integration, and End-to-End Testing with Jest, Mocha, JUnit, and Cypress

**Cloud:** Docker; Heroku; Shell scripting (Linux and Windows); Azure (Functions, Kubernetes Service, Container Instances, Container Registry, Static Web Apps, Web Apps, API Management, Content Delivery Network, and Virtual Network); GCP (Cloud Functions, Cloud Storage, Firebase Hosting, Firebase Google Analytics, and Firebase Authentication);

### HOBBIES

Music, Piano, Field Hockey, Jogging, Travel, and Cooking

### SOCIAL MEDIA

[github.com/simply-alliv](https://github.com/simply-alliv)

[linkedin.com/in/allistair-vilakazi/b07a09108](https://linkedin.com/in/allistair-vilakazi/b07a09108)

[twitter.com/simply\\_alliv](https://twitter.com/simply_alliv)

### WORK EXPERIENCE

**Freelancer, 2019 - present** - Web Design and Development  
After 2 years of learning web development with online resources I became a freelancer.

**HNG Internship, 2020** - Backend Development  
I joined the HNG remote internship on the 1st of July along with approximately 11,000 other interns. I was one of the finalists of the internship along with approximately 200 other interns.

**MicroAPI, 2020** - Project Maintainer  
Core maintainer of the MicroAPI project. A startup that stemmed from the internship. My main area of focus was to ensure that all APIs integrated with the MicroAPI system follow a standard that we designed and that all APIs meet certain requirements:

- API automates testing and deployment for better QA.
- Code coverage of 98% or above.
- API endpoints adhere to the RESTful API specifications.
- Codebase follows best practices and is well-documented to improve scalability, maintainability, and readability.
- Supports a distributed system's architecture and containerization.

### SELECT PROJECTS

**AlliV Portfolio Website** - [React; Firebase Hosting, Github Actions]  
My personal portfolio website that I use to showcase my software development journey.  
[Website](#) | [GitHub](#)

**Tic-Tac-Toe Web App** - [React; Sockets, Node.js, MongoDB, Docker, Heroku]  
The online, multiplayer tic-tac-toe game with a Node.js backend.  
[Web App](#) | [Backend Service](#) | [GitHub](#)

**Comments MicroAPI Demo Website** - [React; Github Pages]  
The demo used by prospective users of the comments API to get a quick and simple demonstration.  
[Website](#) | [GitHub](#)

**Thosi Laundry Website** - [React; Firebase Hosting]  
The business website of a new on-demand laundry service which I am also the co-founder of.  
[Website](#)

**Google Authenticator Service** - [Express; TypeScript]  
The authentication microservice which includes modern two-factor authentication with support for Google Authenticator.  
[GitHub](#)

**Comments MicroAPI Demo UI/UX Design** - [Figma]  
The Figma UI/UX designs used for the comments API demo website.  
[Figma Project](#)