Allistair Vilakazi

Full-stack Web Developer

Biochemistry and Genetics

Remote | South Africa

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alliv.dev

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

linkedin.com/in/allistair-vilakazi/b07a09108

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 crtain 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