Kuziwa Sachikonye

Software Engineer

Cape Town, South Africa

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"Driven software engineer committed to making positive impact and developing world class skills through rigorous training and learning thereby providing high quality, world class solutions. Blends strong programming skill and extensive knowledge of both hardware and software to provide competitive and versatile solutions to IT challenges"

Technical Skills

Software Engineering
- **Proficient With: Java** • **Python** • Angular • JavaScript • TypeScript • HTML/CSS • **Spring** • **Hibernate** • **REST Web Services**
- **Familiar With:** Go • SQL • Vue • Microservices • **Google Cloud Platform** • Docker

Experience

Impact Tech, Inc.   *Capetown, South Africa*

Full Stack Java Software Engineer   *February 2021 - Present*

Team: iTools

Designed and implemented internal tools to assist teams in the management of core business functions.
- Streamlined business operations, reduced manual data capture, and increased data integrity through automated synchronization with third party applications.
- Increased flexibility of internal management application as lead developer of features allowing different teams to customize application to their individual team needs.

Tools and Technologies: Java, **Spring**, **Hibernate**, SQL, Resin, Splunk, JavaScript, Vue.js

DotModus   *Capetown, South Africa*

Python Data Engineer   *January 2021 - July 2021*

Team: Creative Analytics

Lead data engineer in select team, building cutting edge ML based analytics tool to preemptively measure ad creative success for major advertising agency.
- Designed, implemented and managed large scale data pipelines (DAGs) to consolidate data from diverse third-party sources into a data-lake for downstream ML processing.
- Designed highly scalable creative extraction application for extracting diverse multimedia types and implemented key components of the creative extraction from third party ad-servers (Google, YouTube and Facebook)

Clients: Coco-Cola, Adidas, Nike (via Mediacom UK)

Tools and Technologies: Python, Apache Airflow, **Google Cloud Platform (Cloud Run, Biq Query, Pub Sub), Google APIs (YouTube, DV360, Campaign Manager)**, Facebook Marketing API, Docker, Flask

CapeAI   *Capetown, South Africa*

Full Stack Application Engineer   *September 2020 - December 2020*

Team: Crunch Cure

Translated e-health application concept into viable MVP using established design patterns, and clarifying assumptions.
- Built integration to Gamin API to retrieve user health data and store for processing and visualisation.
- Designed and conducted alpha stage internal user testing. Translated user feedback into viable product features while streamlining the user experience. This greatly improved the overall usability of the application for users.

Tools and Technologies: Javascript, Firebase (Hosting, Cloud Functions, Firestore, Auth), Health APIs (Garmin, Fitbit), Vue.js

Luno   *Capetown, South Africa*

Golang Backend Software Engineer   *February 2020 - May 2020*

Team: Identity

Responsible for the microservices related to handling customer identities, ensuring safety and authenticity of customers, and performing PEP and sanctions screening, resulting in faster, more secure customer on-boarding and making Luno a safer place to buy and sell cryptocurrencies.
- Restructured customer issue prioritization logic for the customer service team. This facilitated faster service of major issues faced by customers and contributed to increased customer satisfaction.
- Designed and developed an event driven consumer within micro-service architecture as part of cost saving initiatives by automating repetitive customer service operations. This feature automated 3% of customer issues.

Tools and Technologies: Golang, Protobuffers, gPRC, Docker, Kubernetes, MySQL

Education

University of Cape Town   *Capetown, South Africa*

BSc(Eng). Electrical and Computer Engineering   *Graduation: December 2018*
- **Thesis Research Project:** Low Cost Autonomous IoT Water and Telemetry Data Sensing Systems (Distinction)
- **Specialisations Include:** Software Development • Web Application Development • Embedded Systems • Mobile Broadband Networks • Digital Systems • Digital Signal Processing • Control Engineering
- **Coursework Includes:** Control Systems • Applied Statistics • Next Generation Networks • Applied Engineering Mathematics and Physics • Object Oriented Programming (Java, C++, C), Python, Assembly • Project Management

G Google

Associate Cloud Engineer

- Associate Cloud Engineer certification to deploy applications, monitor operations, and manage enterprise solutions.

Honors & Awards

2021	**Mentee**	Project Thrive: Selected as one of the most promising junior/intermediate engineers for 12-week mentorship program.
2019	**Top Achiever**	Uni. Of Nicosia DFIN511: Attained one of the top grades with 94% in digital currency course. Scholarship awarded.
2015	**Finalist**	Discovery IT Hackathon: Selected as 4th place runner up for e-health application from 25 student teams.
2012	**Honors Student**	Golden Key Honors Society : Recognized as one of the top 15% performing students by GPA for academic year.
2011	**Most Promising Engineer**	Zimbabwe Electricity Supply Authority : Awarded medal as most promising junior engineer in cohort.

Projects

Online Register Company Registration Marketplace

- Built a fully fledged e-commerce application to help users register companies online.   *2020*
- Managed architecture design, client roadmap and delivered successful project within given time and budget constraints.
  Tools and Technologies: Angular 10, Firebase (Hosting, Cloud Functions, Real Time Database), APIs (Payments API, SendGrid)

Blockchain Election (DApp)

- Built a decentralized application to simulate the ability of voting for candidates on the blockchain.   *2018*
  Tools and Technologies: Solidity, Truffle, Ethereum Testnet, Bootstrap, Node, Express.

ERC-20 Tokensale (DApp)

- Built a decentralized application for the sale of digital assets.   *2018*
  Tools and Technologies: Solidity, Truffle, Ethereum Testnet, Bootstrap, Node, Express.
  see more

Published Writing

Contributing Writer   *Medium*

The Capital   *October 2019*

- Demystifying Bitcoin & The Blockchain

Writer   *LinkedIn/Medium*

Personal   *2019*

- The Hidden Problem That Bitcoin Solves
- So What's This Bitcoin Thing?