Curriculum Vitae

### Personal Information

### LinkedIn link: <https://linkedin.com/in/koketso-kapfresh-motseothata-732729170>

**Koketso Motseothata**

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**Identity Number (ID):** 9201175091086

**License**: Code 8

**Nationality:** South African **Citizenship:** South African

**Objective:**

I am a dedicated computer scientist and software engineer with a strong foundation in Data Science and Machine Learning, complemented by expertise in Robotics Engineering. My enthusiasm for technology extends beyond my professional pursuits, as I actively engage with the dynamic landscape of the Fourth Industrial Revolution.

Over the past 7+ years, I have honed my skills in Drone Engineering, Coding, and Data Science/Engineering, contributing to a diverse range of projects. Additionally, my involvement in Tech talks, Tech blogging, Game Development, Web Development, and E-sports showcases the breadth of my interests within the tech realm.

I am not only committed to advancing my own knowledge and skills but also passionate about sharing my insights. Serving as a tech advocate, I take pride in educating others about the ever-evolving world of technology.

**Education:**

**University of South Africa**

* B.Sc. Informatics

**University of Johannesburg**

* B.Sc. Computer Science and Software Engineering (continued)

**Krugersdorp High School** (2006 - 2010)

* Math and Science Olympiad 2008 & 2009, Gauteng D12
* R.C.L Executive body 2010

**Additional Education:**

### AWS Cloud Practitioner Certified (2022)

* AWS CLF-C01 on Amazon

### Microsoft Azure Certified (2022)

* AZ 900 Microsoft Azure Fundamentals

### Microsoft Azure Certified (2022)

* DP-203 Data Engineering on Microsoft Azure

### Microsoft Azure Certified (2022)

* DP-900 Data Azure Fundamentals

### Google Hustle Academy (2022)

* Google Hustle Academy

### Udacity and Access Bank Advance Africa Scholarship (2022)

* Intro to Data (Business Analytics)

### AWS Machine Learning Scholarship (2021)

* Machine Learning with AWS

### Google Africa Developer Scholarship (2021)

* Mobile Web Development Graduate

**Cognitive Class (**2020)

* Machine Learning with Python

**Cognitive Class (**2020)

* Data Science with Python

**Cognitive Class (**2020)

* Data Visualization and Data Analytics with Python

# Work Experience:

**Lead Backend Python Engineer:**(Sep 2024 – current [part time] – FULLY USA REMOTE)

Solution Community, Inc. [USA]

-Responsibilities: Lead and mentor the backend team.

-Design, develop, test, and implement new features.

-Maintain and support applications and websites.

-Collaborate with cross-functional teams, including marketing.

-Listen to and understand customer needs to inform product roadmaps.

-Propose methods and process improvements to increase developer efficiency.

-Handle requirements gathering for incoming requests.

-Write complex database queries and stored procedures.

-Debug and troubleshoot platform issues.

-Conduct code reviews, manage utility servers.

-Technologies used: Python Django, Azure, CI/CD pipeline design with GitHub

**Senior Frontend Engineer:**(Feb 2023 – Dec 2023 [fixed term contract] – FULLY REMOTE)

MTN Group.

-Responsibilities: Creating, rebranding, maintaining, and deploying front end designs and software on the MTN NEM website platform.

-Maintain, deploy and write clear documentation and modern code practices.

-Technologies used: JavaScript/TypeScript, React.js. Next.js, Azure & NextAuth.

-CI/CD pipeline design with GitHub.

**Senior Python Specialist: Product Engineer:**(Jun 2022 – Dec 2022 [fixed term contract] – FULLY REMOTE)

ABSA GROUP BANK LTD.

-Responsibilities: Creating, maintaining, and deploying client software in Cyber Security

-Maintain, deploy and write clear documentation and code

-Maintain IBM Resilient alerts and document reports

-Develop, maintain and write efficient Python and Django code

-CI/CD with GitHub

**Tech Lead: Senior Lead Engineer:**(May 2022 – Sep 2022 [fixed term contract] – FULLY REMOTE)

ThinkWiFi Digital Media.

-Responsibilities: Creating, maintaining, and deploying client software services.

-Maintain, deploy and write clear documentation.

-Maintain documentation reports and create task tickets for junior developers.

-Develop, maintain and write efficient JavaScript/TypeScript,Python and Django code

-CI/CD and DevOps with GitHub

-Mandatory mentor/coach and catch-up one-on-ones with juniors.

-Code reviews and approvals.

**Senior Software Developer: React.Js- Frontend** (Jan 2022 – April 2022 [fixed term contract] – FULLY REMOTE)

C Ahead Info Technologies AFRICA PTY. Ltd.

-Responsible for creating, maintaining, and deploying client software and

websites using JavaScript/TypeScript ,React Js.

-Version control and repository management (Git & GitLab)

-Creating re-usable and design modifications for sign in’s, user management and dashboards

-Technologies used: Firebase, Material UI, React Routers, Hooks & Forms, Jest and Cypress.

**Senior Full-stack Developer** (May 2021 – Aug 2021) [contract]) FGX Studios – (HYBRID)

-Responsible for creating, maintaining, and deploying client software and

websites using JavaScript/TypeScript, Python Django, React JS, and WordPress.

-Client and server-side testing using PyTest as well as SEO practices on client websites.

-Developing and maintaining modern UI designs and artworks for client websites.

-Using third party API integration and testing using Postman with backend connectivity using MySQL database.

-Over seeing project versions with developers through GitHub and BitBucket (version control)

**Senior Full-stack Developer Consultant** (Oct 2020 – Feb 2021[contract]) Teekay Holdings – (HYBRID)

-Responsible for upskilling, mentoring and guiding new developers.

-Training and practicing data analyst stats using Python's MatPlotLib.

-Responsible for creating, deploying and managing client websites and artworks with Python Django, JavaScript/TypeScript, React JS and web technologies.

-Project management roles on projects and deadlines.

-Code review and system testing and SEO practices on client websites.

-Database administration, development and maintenance with Cloud technologies such as Google firebase, Django and MySQL

**Game Developer Consultant** (Jan 2021 – CURRENT [contract-part time])

Goliath Gaming

-Responsible for hosting live game development games

-Planning Esports events

-Live game streaming

**Code: Tutor and Mentor** (Jan 2020 – CURRENT [contract -part time])

Superprof

-Teaching and mentoring students (grade 8 – 2nd Year Varsity)

-Teaching coding /computer science modules

-Teaching mathematics

**Game Developer Consultant** (Nov 2019 –Dec 2020 [contract])

AB4IR

-Responsible for hosting live game development games

-Planning Esports events and tournaments

-Live game streaming

**A.I and Robotics Assistant** (Oct 2019 – Mar 2020 [contract]) Paramount Group

-Working with Artificial Intelligence software and prototypes

-Working with electronics, mechanics, mathematics, physics and robotics

-Robotics architecture and design principles and bot training.

**Python & C++ IT Facilitator** (Aug 2017 – Dec 2019 [contract]) Modern Gaming

-Teaching and mentoring students in coding and computer science modules

-Creating educational software

-Creating gaming software

-Creating websites and web applications

**Jnr Python IT Facilitator** (Jan 2017 – Dec 2019 [contract]) Africa Kids Code

-Teaching and mentoring students (grade 8 – 2nd Year Varsity Students)

-Teaching coding /computer science modules

-Teaching mathematics

-Teaching web development

**Jnr IT Software Engineer** (Jan 2017 – Jun 2018 [contract]) Stele Group & Ontolligence Group (Innovation Hub)

-City of Tswane Systems

-South Africa Space Agency Systems

-Web Development and Web Design

**Lego Robotics Mentor/Facilitator** (Jan 2016 – CURRENT [contract]) University of South Africa

-Teaching coding and robotics

-Facilitator at First Lego League

**Freelancer developer** (Jan 2016 – CURRENT -part time]))

-Teaching python, game dev, web dev

-Client projects, software products, web application solutions, e.g:

* www.keighroyal.co.za
* [www.validators.co.za](http://www.validators.co.za)
* [www.refundit.com](http://www.refundit.com/)

# Tech and Digital Skills:

* Full-Stack Development, Database Management, Web Development and design, Game Development, Architecture and Design, Robotics Engineer.
* Software Development, Artificial Intelligence and Machine Learning.
* Data Science, Data Engineering, Visual and Data Analytics, Drone Engineering
* Blockchain, DevSpecOps, Numpy, MatPlotLib, PyGame, OpenCV, Pandas, UX & UI

## Programming Languages and Technologies

* Python, Ruby, WordPress, React JS, MySQL, Postman API, API integration
* HTML 5, CSS 3, JavaScript, JQuery, Angular 2+, Django, TypeScript
* Google Firebase, Microsoft Azure, Cloud Computing, Big Data
* Oracle, MongoDB, AWS, Git, Github, GitLab, BitBucket (version control)

## Leadership Experience and Achievements

* Google Developer Student Club lead for South Africa (international)
* Amazon AWS Community Builder South Africa (international)
* Google Developers Group (international)
* Codecademy Lead for South Africa (international)
* Microsoft Student Learn Ambassador (international)
* IBM Z Ambassador (international)
* Binance Ambassador (international)
* Postman API Student Expert lead for South Africa (international)
* Global AI Community lead for South Africa (international)
* GirlCode IT and Robotics facilitator
* MTN TADHack mentor 2019 & 2020
* Google Africa Developer Scholarship Graduate: Web Specialist 2020 (international)
* #BuildforSDG challenge 2020 top mentor (international)
* ALC & Gauteng Azure Training Program mentor 2021
* IEEE Hack with Her 3.0 hackathon mentor 2021 (India)
* Google Africa Developers Scholarship Mentor & Judge 2022
* Tech talk at #DevFest South Africa, #DevFest Nairobi, #DevFest Tanzania, #DevFest Lago, PyCon South Africa, PyCon Africa, PyCon Japan, PyCon Namibia, EuroCon, PyCon AU, PyCon Dublin

# Volunteer Community Activities

* Harvest Aid
* Arum Lily Children’s Home
* Helping Hands Community Service Group
* Sparrow AIDS Orphanage
* FORA-place for rescued animals

# References:

**Microsoft** (Pablo Veramendi)

* Letter of Recommendation available upon request

**i-Set UNISA** (Dr Patricia M Gouws)

* Letter of Recommendation available upon request

**WeThinkCode** (Kelebogile Motlhamme)

* Letter of Recommendation available upon request

**IBM** (Melissa Sassi)

* Letter of Recommendation available upon request

**Google** (John Kimani)

* Letter of Recommendation available upon request

**Paramount Group** (Sarit Shull)

* Letter of Recommendation available upon request

### For GitHub projects and repo, demo projects and tech blog posts, please visit my personal Website Online Portfolio link:

[**http://www.koketsomotse.co.za**](http://www.koketsomotse.co.za)