


# MPETHA STHEBISO MOTAUNG

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## PROFESSIONAL SUMMARY

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Highly skilled and adaptable Software Engineer with extensive experience in backend and frontend development, cloud infrastructure, and data analysis. Proficient in designing scalable software solutions, optimizing system performance, and integrating secure payment gateways. Adept at collaborating with cross-functional teams to deliver innovative, user-focused applications. Strong expertise in Python, Django, PostgreSQL, AWS, and emerging technologies, complemented by a solid foundation in networking, DevOps, and machine learning. Passionate about leveraging technical and professional skills to drive project success and enhance user experiences.

## SKILLS

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### Technical Proficiencies

Backend Development | Frontend Development | Database Management | Cloud Infrastructure | Data Analysis & Machine Learning | Networking | Software Testing | System Administration | DevOps & Tools | Emerging Technologies

### Professional Skills

Project Management | Problem-Solving | Communication | Teamwork & Adaptability | Customer Service

## EXPERIENCE

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### Grind Reel

Remote Software Engineer

2023 – Present

- Design, develop, and maintain scalable software solutions using PostgreSQL for database management and AWS for cloud infrastructure
- Employ Python and Django for backend development while working on frontend development to create responsive and dynamic user interfaces
- Ensure seamless integration between components, collaborating with cross-functional teams to optimize system performance and enhance the overall user experience

## **Huawei Technologies South Africa**

Johannesburg, Gauteng

Assistant Network Engineer

2021 – 2023

- Advanced through various engineering roles, contributing to significant projects in networking, fintech, digital support, and software testing
- Supported network setup, maintenance, and configurations as a Network Engineer, improving service reliability
- Developed secure fintech solutions with a focus on payment gateway integration as a Fintech Software Engineer, while optimizing digital services and user interfaces as a Digital Support Engineer to enhance customer satisfaction
- Contributed to cloud platform deployments and upgrades as a Technical Engineer, and conducted software testing for subscriber usage as a Software Testing Engineer

## **Zen 2 Chill**

Bloemfontein, Free State

Software Engineer

2020 – 2021

- Enhanced online transaction efficiency and security by working on payment gateways
- Developed a web application for inventory and employee profile management tailored for a retail business
- Designed and implemented a restaurant management system featuring order tracking and user profile management

## **EDUCATION**

### **Wuhan University**

Wuhan, Hubei Bachelor of Computer Science in Software Engineering

2016 – 2020

- Applied programming and software development skills, including OOP (Java), Data Structures & Algorithms, and Software Testing
- Worked with systems and networks, encompassing Computer Systems, Operating Systems, and Linux & Applications
- Utilized expertise in AI and cloud technologies, covering Artificial Intelligence, Big Data and Analysis, and Cloud Computing

### **Wuyi University**

Wuyishan, Fujian

Chinese Language Proficiency (HSK4)

2014 – 2016

### **Brebner High School**

Bloemfontein, Free State

National Senior Certificate

2008 - 2012

- Studied Mathematics & Science to build analytical and problem-solving skills

- Explored Consumer Studies & Languages to understand practical applications and communication
- Engaged in Life Orientation to develop personal and interpersonal skills

## CERTIFICATES

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- **Responsive Web Design Certification (in progress)** | Free Code Camp HTML & CSS | [https://github.com/mpethamotaung/Responsive\\_Web\\_Design](https://github.com/mpethamotaung/Responsive_Web_Design)
- **100 Days of Code: The Complete Python Pro Bootcamp (in progress)** | Udemey Python, Flask, Selenium, Pandas, APIs, NumPy, Scikit Learn, Matplotlib | [https://github.com/mpethamotaung/Mastering\\_Python](https://github.com/mpethamotaung/Mastering_Python)

## PROJECTS

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- **YouCipe** | A food recipe sharing platform | <https://youcipe.com/>
- **Pixels** | Image Pixel Extractor. | <https://github.com/mpethamotaung/Image-Processing>
- **Bright Institution Online Tutoring Platform** | Online tutoring | <https://bmsi.co.za/>
- **Personal Portfolio** | projects and expertise | <https://mpethamotaung.github.io/>
- **Web Application** | Financial statistics | <https://github.com/mpethamotaung/DataSciences>
- **Banking System** | <https://github.com/mpethamotaung/WallBank-BankingSystem>
- **Yeats** | Food Service Website | <https://github.com/mpethamotaung/yeats>
- **PROP-Revs**, Blockchain-based property database and fraud prevention application Python, Blockchain (Link unavailable: Property of Wuhan University)
- **Machine Learning Sentiment Analysis** | User behavior analysis and sentiment prediction tool Streamlit, Python | (Link unavailable: Property of Wuhan University)

## REFERENCES

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### ML Mlangeni


Supervisor Manager, Nketoana Local Municipality

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