

# MPETHA S. MOTAUNG

## SOFTWARE ENGINEER

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[www.linkedin.com/in/mpetha-motaung/](https://www.linkedin.com/in/mpetha-motaung/) | <https://mpethamotaung.github.io/>

Location: South Africa (Open to relocation)

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### SUMMARY

Innovative and results-driven Software Engineer with extensive experience in full-stack development, digital services, and software testing. Proficient in a range of programming languages and frameworks, including C#, Python, JavaScript, and cloud computing platforms. Proven ability to work in cross-functional teams, enhance software quality, and deliver high-performance solutions. Passionate about leveraging my skills to build scalable applications and contribute to the success of a forward-thinking tech organization.

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### SKILLS

- **Programming Languages:**  
C#, Python, Java, JavaScript, C++
- **Web Development & Frameworks:**  
HTML, CSS, Django, REST API
- **Databases:**  
MySQL, PostgreSQL, NoSQL, SQLite3\*\*
- **Version Control & Tools:**  
Git & Git Version Control, SoapUI, VS Code, Postman

### Experience in:

Full-stack Development, Cloud Computing, Software Testing, UX/UI Design, Digital Services

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## EXPERIENCE

- **Huawei Technologies South Africa | Various Engineering Roles | October 2021 – November 2023**

Progressed through multiple engineering roles, contributing to key projects across networking, fintech, digital support, and software testing.

1. Assistant Network Engineer: Supported network setup and maintenance.
2. Network Engineer: Oversaw network configurations, enhancing service reliability.
3. Fintech Software Engineer: Developed secure fintech solutions, focusing on payment gateway integration.
4. Digital Support Engineer: Optimized digital services and user interfaces, improving customer satisfaction.
5. Technical Engineer: Contributed to cloud platform deployments and upgrades.
6. Software Testing Engineer: Conducted software testing for subscriber usage.

- **Software Engineer | Zen 2 Chill | January 2021 – September 2021**

Worked on payment gateways, enhancing the efficiency and security of online transactions; built a web application for inventory and employee profile management for a retail business; and designed and implemented a restaurant management system with order tracking and user profile features.

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## EDUCATION

- **Bachelor of Computer Science** | Wuhan University, China | September 2016 – July 2020\*\*
    1. **Programming & Software Development:** OOP (Java), Data Structures & Algorithms, Software Testing
    2. **Systems & Networks:** Computer Systems, Operating Systems, Linux & Applications
    3. **AI & Cloud:** Artificial Intelligence, Big Data and Analysis, Cloud Computing
  - **National Senior Certificate** | Brebner High School, SA  
Mathematics & Science, Consumer Studies & Languages, Life Orientation
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## CERTIFICATES

- 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) | Udeemy  
Python, Flask, Selenium, Pandas, APIs, NumPy, Scikit Learn, Matplotlib |  
[https://github.com/mpethamotaung/Mastering\\_Python](https://github.com/mpethamotaung/Mastering_Python)
  - Certificate in Chinese Language Proficiency (HSK4)  
Wuyi University, China, August 2014 – August 2016
  - National Senior Certificate (NSC)  
Brebner High School, SA, January 2010 – November 2012
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## PROJECTS

- **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)
- **Personal Portfolio** | A personal portfolio showcasing projects and expertise\*  
HTML, CSS, JavaScript | <https://mpethamotaung.github.io/>
- **Yeats Food Service Website** | Mock food service website showcasing various items with user-friendly UI  
HTML, CSS | <https://github.com/mpethamotaung/yeats>
- **WallBank Banking System** | Simulated banking system with account management and transaction features  
Java | <https://github.com/mpethamotaung/WallBank-BankingSystem>
- **Financial Statistics Web Application** | Financial statistics tool using user input and Excel files for data analysis  
Python, HTML | <https://github.com/mpethamotaung/DataSciences>
- **Bright Institution Online Tutoring Platform** (in progress) | Platform to facilitate online tutoring sessions  
Python, Django, Bootstrap | [https://github.com/mpethamotaung/Bright\\_inst](https://github.com/mpethamotaung/Bright_inst)