

## **Bartasa Mwangangi**

Passionate Software Engineer

Email: [trabbart8@i@gmail.com](mailto:trabbart8@i@gmail.com)

Phone: +254114574914

GitHub: [github.com/bmwangangi](https://github.com/bmwangangi)

LinkedIn: [linkedin](#)

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## **Professional Summary**

I am a passionate software engineer with a strong foundation in full-stack development, specializing in frontend development. I have one year of experience, and I am proficient in HTML, CSS, JavaScript, C, SQL, and Python. I am dedicated to continuous learning, actively improving my skills, and building innovative solutions.

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## **Technical Skills**

- **Programming Languages:** HTML5, CSS3, JavaScript (ES6), C, Python, SQL
  - **Web Development:** Responsive design, CSS Grid, Flexbox, JavaScript DOM manipulation, API integration
  - **Frontend Frameworks:** React (learning)
  - **Backend Development:** Python (Django)
  - **Tools:** Git, GitHub, Linux, MySQL, Canva
  - **Soft Skills:** Problem-solving, teamwork, adaptability, communication
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## **Education**

### **Professional Software Engineering** (Ongoing)

PLP Software Engineering Program

### **Full Stack Development**

ALX Full Stack Development Program (Completed)

Frontend Development (Ongoing)

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## **Experience**

### **Frontend Developer | Self-Employed**

- Developed and maintained interactive and responsive web applications

- Created user-friendly and efficient interfaces using HTML, CSS, and JavaScript
  - Collaborated on projects involving full-stack development using Python and MySQL
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## Projects

### Simple Shell

- Developed a custom shell program in C, implementing process control and I/O redirection.
- Demonstrated an understanding of system-level programming, creating efficient command execution functionalities.
- [View on GitHub](#)

### Pascal's Triangle in Python

- Built a Python program to generate Pascal's Triangle, demonstrating algorithmic thinking and problem-solving.
  - Implemented both recursive and iterative solutions to optimize performance.
  - [View on GitHub](#)
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## Certifications

- ALX Full Stack Development (Pending Certificate)
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## Interests

- Artificial Intelligence and Machine Learning
  - Open-source contributions
  - Hiking and technology blogs
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## Contact Information

**Phone:** +254114574914

**Email:** trabbart8@gmail.com