

Shaun Chikerema

Software Engineer & Founder

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Location: Gaborone, Botswana

Portfolio: shaunchikerema.vercel.app

GitHub: github.com/shaunChikerema

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Software Engineer and Founder building BITROOT technology ecosystem. Architecting scalable production applications including Keyat (real estate platform) and PolicyBridge (insurance SaaS). Strong foundation in system design, full-stack development, and object-oriented programming with proven track record of delivering user-focused solutions across web and mobile platforms.

Technical Expertise

Frontend & Mobile

React/Next.js



TypeScript



React Native



Tailwind CSS



JavaScript (ES6+)



Backend & Databases

Node.js/Express



Supabase



PostgreSQL



Firebase



RESTful APIs



Object-Oriented & Systems

Java



C# /.NET



OOP Principles



Design Patterns



System Design



Tools & Platforms

Git/GitHub	<div><div></div></div>
Docker	<div><div></div></div>
AWS Basics	<div><div></div></div>
VS Code	<div><div></div></div>
Figma	<div><div></div></div>

| Professional Experience

Founder & Lead Engineer

2023 - Present

BITROOT - Technology Ecosystem

- ▶ Founded and architecting BITROOT technology ecosystem housing multiple SaaS products
- ▶ Leading development of Keyat (real estate platform) and PolicyBridge (insurance SaaS)
- ▶ Designing unified platform architecture for scalable multi-product infrastructure
- ▶ Building foundational systems serving 10,000+ target users across Botswana

Software Development Intern

Summer 2023

Local Tech Startup

- ▶ Contributed to React-based web applications implementing responsive UI components
- ▶ Participated in agile development workflows and code review processes
- ▶ Gained experience with professional software development methodologies

| BITROOT Ecosystem Projects

Keyat Real Estate Platform **BITROOT**

Botswana's first comprehensive real estate platform - multi-sided marketplace

Next.js 15 **TypeScript** **Supabase** **PostgreSQL** **Stripe** **Real-time Chat**

- ▶ Multi-tenant architecture with role-based access control
- ▶ Local payment integration (Orange Money, Mascom MyZaka)
- ▶ Advanced search with geolocation and filters

PolicyBridge Insurance SaaS BITROOT

Comprehensive insurance management with automated document generation

[Next.js 14](#) [TypeScript](#) [React PDF](#) [Node.js](#) [Puppeteer](#) [Chart.js](#)

- ▶ Automated PDF payslip generation with templates
- ▶ Real-time analytics and reporting dashboard
- ▶ Secure multi-tenant data isolation

Academic Engineering Projects

University coursework demonstrating OOP and software engineering principles

[Java](#) [C#](#) [OOP](#) [Design Patterns](#) [UML](#)

- ▶ Object-oriented system design and implementation
- ▶ Database management systems and SQL optimization
- ▶ Software architecture and design pattern applications

| Education

BSc (Hons) Software Engineering with Multimedia

2020 - 2024

[Limkokwing University of Creative Technology](#)

Cyberjaya, Malaysia & Gaborone, Botswana | Graduated November 2024

- ▶ **Core Technical Courses:** Object-Oriented Programming (Java/C#), Data Structures & Algorithms, Database Systems, Software Engineering, Web Technologies, Mobile Development
- ▶ **Advanced Topics:** System Design, Design Patterns, Software Architecture, Multimedia Systems, Human-Computer Interaction
- ▶ **Project Work:** Full-stack applications, Mobile apps, Database design, System architecture

| Certifications

BSc (Hons) Software Engineering with Multimedia

2024

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