

NGWAGA JOHANE Computer Engineering | Software Development | IT

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PROFESSIONAL SUMMARY

Computer Engineering student at Botho University with practical experience in software development through an industry internship and personal projects. Experienced in building web applications, integrating APIs, working with relational databases, implementing authentication and access controls, and troubleshooting technical issues. Familiar with frontend and backend development, business workflow automation, and collaborative software development. Eager to contribute technical skills, learn new technologies, and grow within a professional engineering or IT team.

EDUCATION

Botho University : Gaborone, Botswana

Bachelor of Engineering (Honours) in Computer Engineering Expected completion: November 2026

Relevant coursework: Software Engineering, Operating Systems, Computer Security, Data Communication Networks, Compilers, Human Computer Interaction, and Microprocessors and Microcontrollers.

PROFESSIONAL EXPERIENCE

Gabs Eats : Software Developer Intern

Gaborone, Botswana | July 2026 – November 2026

- Contribute to the development and maintenance of web-based business applications.
- Develop application features using Next.js, TypeScript, and supporting backend services.
- Work with REST APIs to connect frontend interfaces with backend functionality.
- Contribute to a vehicle rental management platform covering vehicle onboarding, vehicle management, booking workflows, and administrative operations.
- Work with PostgreSQL backed applications and database-driven business processes.
- Implement and support authentication, role based access control, and service integrations.
- Troubleshoot application issues, test functionality, and investigate unexpected system behaviour.
- Collaborate with other developers using Git and structured software development workflows.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, PHP, SQL

Frontend Development: React, Next.js, HTML5, CSS3, Tailwind CSS

Backend Development: FastAPI, Fastify, REST APIs, backend service integration

Databases: PostgreSQL, MySQL, database design, SQL queries

Tools and Technologies: Git, GitHub, Maven, Supabase, Redis

Other Technical Skills: Authentication, role based access control, debugging, testing, application troubleshooting, input validation, secure session management, and software documentation.

PROJECTS

1. Car Rental Management Platform

- Contribute to a web-based platform supporting vehicle rental operations.
- Develop features for vehicle onboarding, vehicle management, bookings, and administrative workflows.
- Work with Next.js, TypeScript, Fastify, FastAPI, PostgreSQL, and Supabase services.
- Support API integration, authentication, access control, and troubleshooting across application components.

2. DoLocal : Local Services Marketplace

- Develop features for a digital marketplace connecting customers with service providers.
- Contribute to provider onboarding, service management, customer requests, quotations, and order workflows.
- Work on frontend and backend integration, database backed functionality, and role-specific user experiences.

3. Automated Leave Management System

- Developed a web-based leave management system using PHP, MySQL, JavaScript, HTML, and CSS.
- Implemented employee, supervisor, and administrator workflows with a three level leave approval process.
- Applied authentication, access control, input validation, prepared statements, and secure session handling.

CERTIFICATIONS

Cisco Networking Academy: Introduction to Cybersecurity

Cisco Networking Academy: Netwrk Defence

PROFESSIONAL STRENGTHS

- Analytical thinking and problem-solving
- Willingness to learn new technologies
- Team collaboration and communication
- Attention to detail and data accuracy
- Technical troubleshooting and debugging
- Adaptability and continuous learning

CAREER INTERESTS

Software Development | Software Engineering | IT Support | Systems Integration | Backend Development | Database Management | Application Support | Network and Systems Technology

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