

Wacebula Gaba

Curriculum Vitae

Johannesburg, South Africa

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john-doe

johndoe

Education

2018–2022 **BSc Engineering (Electrical)**, *University of the Witwatersrand*, Johannesburg, South Africa, Distinction

- Specialisation in Electronics and Computer Engineering
- Final-year project: Real-time power monitoring system using IoT and full-stack web dashboard
- Relevant coursework: Embedded Systems, Software Engineering, Data Structures & Algorithms, Digital Signal Processing, Power Systems

Professional Experience

2024–Present **Senior Full-Stack Developer**, *Acme Tech Solutions*, Johannesburg (Hybrid)
Leading development of cloud-native microservices platform using React, Node.js, and AWS.

- Architected and implemented real-time data visualisation dashboard (React + TypeScript + WebSocket)
- Designed and deployed RESTful APIs and GraphQL services (Node.js/Express, NestJS)
- Implemented CI/CD pipelines with GitHub Actions and Docker
- Mentored junior developers and conducted code reviews

2023–2024 **Full-Stack Developer**, *FinTech Innovations (Pty) Ltd*, Sandton, South Africa
Developed and maintained high-traffic financial web applications.

- Built responsive frontends with React, Redux, and Material-UI
- Developed secure backend services using Node.js, PostgreSQL, and JWT authentication
- Integrated third-party APIs (banking, payment gateways)
- Reduced page load time by 40% through performance optimisation

2022–2023 **Full-Stack Development Learnership**, *MICT SETA / CodeSpace Academy*, Cape Town (Remote)

12-month structured learnership combining training and workplace experience.

- Completed intensive full-stack bootcamp (HTML, CSS, JavaScript, React, Node.js, MongoDB)
- Placed at BetaSoft as junior developer for 8 months
- Built and deployed 5+ full-stack projects (e.g., e-commerce platform, task management app)
- Achieved NQF Level 5 certification in Systems Development

2021–2022 **Junior Developer (Part-time)**, *Wits Digital Arts Lab*, University of the Witwatersrand

Developed internal tools and IoT dashboards during final year.

- Created web-based monitoring system for solar microgrid project (Vue.js + Python Flask)
- Integrated ESP32 microcontrollers with cloud backend

Technical Skills

Languages	JavaScript/TypeScript, Python, C/C++, Java, SQL
Frontend	React, Redux, Next.js, Vue.js, HTML5, CSS3, Tailwind, Material-UI
Backend	Node.js, Express, NestJS, FastAPI, Django, PostgreSQL, MongoDB
Cloud & DevOps	AWS (EC2, S3, Lambda, RDS), Docker, GitHub Actions, Vercel, Linux
Tools	Git, Postman, Jira, Figma, VS Code

Selected Projects

GridMonitor (2023) Open-source real-time electricity usage tracker

*React + Node.js +
MQTT + InfluxDB*

github.com/johndoe/gridmonitor

TaskFlow (2022) Full-stack project management tool with Kanban boards

*Next.js + Prisma +
PostgreSQL*

taskflow.johndoe.dev

IoT Home Automation (2021) Raspberry Pi + ESP32 home automation system with web dashboard

Certifications

2024 AWS Certified Developer – Associate

2023 MICT SETA National Certificate: Systems Development (NQF 5)

2022 freeCodeCamp Responsive Web Design & JavaScript Algorithms

Interests

Open-source contributor, IoT & embedded systems, renewable energy tech, running, chess