

KAWEESI MATIA

FULL-STACK SOFTWARE ENGINEER

matiakaweesi@gmail.com | [WhatsApp](#) | [GitHub](#) | [LinkedIn](#) | [Portfolio](#) | Kampala, Uganda

SUMMARY

Full-stack software engineer focused on building end-to-end web applications and backend systems. I work across React frontends and Python or [Node.js](#) services with FastAPI, REST APIs, as well as PostgreSQL, MongoDB, and modern application architecture. Mentoring and code review have strengthened my approach to architecture, maintainability, and technical communication.

SKILLS

Front-End: JavaScript, TypeScript, Next.js, React, Redux, jQuery, HTML5, CSS3, Tailwind CSS

Back-End: Python, FastAPI, [Node.js](#), Express, REST APIs, JWT, SQLAlchemy, MongoDB, Mongoose, Ruby, Rails

Data & Cloud: PostgreSQL, MySQL, Pandas, Docker, Vercel, Render, Netlify

Tools & Methods: Git, GitHub, Agile, TDD, code review, responsive design

Professional: Remote collaboration, Pair Programming, Mentoring

EXPERIENCE

Freelance Full-Stack Developer | Remote | February 2026 – Present

- Developed and deployed 6 full-stack applications, with live demos, GitHub repositories, and documented case studies, demonstrating end-to-end software development expertise.

Software Engineer | VeroSkills | Remote, USA | June 2023 – January 2026

- Developed and maintained 4+ full-stack web applications using React, Node.js, and Python.
- Delivered 12+ REST API endpoints using Node.js and Express, integrating them with React through asynchronous data fetching, state management, and error handling, reducing front-end integration time by approximately 30%.
- Developed 20+ reusable React components and custom hooks, reducing code duplication across the application by approximately 25%.
- Collaborated in Git-based development and code reviews, contributing to 8–10 pull requests per sprint within a distributed Agile team.

Code Reviewer | Microverse | Remote | November 2022 – August 2024

- Completed 80+ code reviews, providing technical feedback on code quality, architecture, maintainability, and software engineering best practices.
- Mentored 15+ developers on Git workflows, code quality standards, pull-request best practices, and Test-Driven Development.

- Facilitated 20+ pair-programming and knowledge-sharing sessions on debugging, testing, and Gitflow.

Front-End Developer | Refactory Uganda | Kampala, Uganda | June 2018 – May 2024

- Built 8+ responsive React applications and user-facing interfaces for client production projects.
- Integrated REST APIs across 10+ screens to connect front-end interfaces with backend systems.
- Delivered work in 2-week Agile sprints using Git and GitHub, supporting 3–5 concurrent client workstreams.

HIGHLIGHTED PERSONAL PROJECTS

[JobConnect](#)— Job marketplace: profiles, job listings, applications, and authentication.

- Built with: (React, Node.js, Express, MongoDB, JWT)

[Sales Analytics](#)— Business intelligence platform for analyzing sales performance, revenue trends, customer behavior, product performance, and operational KPIs.

- Built with: (React, Python, FastAPI, PostgreSQL, SQLAlchemy, Pandas, Pydantic, REST API, JWT, Recharts, Docker, Git, GitHub, Vercel)

[Inventory Flow](#)— Inventory operations platform for managing products, stock levels, warehouse transfers, and role-based supply chain workflows.

- Built with: (React, Vite, Tailwind CSS, Axios, Recharts, Python, FastAPI, SQLAlchemy, PostgreSQL, Pydantic, JWT, REST API, Pandas, Docker, Git, GitHub, Vercel)

[PropertyHub](#)— Real estate listings with advanced search, filters, and interactive map exploration.

- Built with: (React, Node.js, Express, MongoDB, Leaflet)

[Learnova](#)— Learning platform featuring courses, educational content, and authenticated learner workflows.

- Built with: (React, Node.js, Express, MongoDB, JWT)

[FoodHub](#)— Online food ordering platform featuring menus, cart, checkout, authentication, and admin workflows.

- Built with: (React, Node.js, Express, MongoDB, JWT)

EDUCATION

VeroSkills — Certificate in Full-Stack Software Development | 2023–2024

- Spent 1,500+ hours mastering full-stack software development while building projects with Python, JavaScript, React, Gatsby, and modern web development practices.
- Developed and deployed full-stack applications while applying Git, GitHub, REST APIs, responsive design, testing, and Agile development workflows.

Microverse — Certificate in Software Engineering | 2022–2024

- Spent 1,300+ hours mastering algorithms, data structures, and full-stack software development.
- Participated in remote pair programming using GitHub and Gitflow, with daily standups alongside international developers.

Kyambogo University (Uganda) — Bachelor's Degree in Telecommunication Engineering | 2014–2017

- Completed comprehensive coursework and practical training in telecommunications engineering, electronics, programming, networking, and communication systems.
- Applied engineering principles through technical projects, laboratory work, system analysis, and problem-solving in telecommunications and related technologies.