James Koduah | Full-Stack Web Developer

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From backend systems to frontend interfaces, I can **build, deploy, and scale applications independently**. If you're looking for someone who can **figure things out, solve problems, and deliver**, I might just be your best hire yet. I've gotten my hands dirty with **actual projects, real users, and working code**.

💼 Experience

Founder & Developer, *Teemboom Comments (SaaS)* ⧉   03/2024 – present
Third-party user engagement service providing an embeddable comment section plugin for websites.

- **Modular Microservices Approach** – Architected the application by structuring key functionalities into independent Flask apps, improving maintainability and scalability.
- **Live Socket Server Deployment** – Designed and deployed a real-time WebSocket server, making strategic decisions on hosting and scaling.
- **Frontend Delivery Strategy** – Implemented an efficient distribution model for the frontend plugin, enabling seamless integration across client platforms.
- **Database Management** – Optimized MongoDB schema design and indexing strategies to enhance query performance and scalability.
- **Infrastructure & Hosting** – Managed and deployed production servers, selecting cost-efficient and reliable hosting solutions for various application components.
- **Marketing & Growth** – Developed and executed marketing strategies to attract users, improve adoption, and establish Teemboom Comments as a valuable engagement tool.

Software Developer, *Self-Employed Contractor*   07/2024 – present
Developed custom software, focusing on web apps, automation, and backend systems.

- Developed 7+ client projects, including automation scripts and full-stack web apps.
- Developed web apps, automation scripts, and backend systems, ensuring performance and scalability.
- Worked directly with clients to define project goals, solve technical challenges, and deliver results on time.
- Managed multiple projects independently, balancing development, problem-solving, and communication.

🎓 Education

Software Engineering, *Alx Africa* ⎘

Completed my software engineering education through ALX Africa, where I gained hands-on experience and a strong foundation in coding and problem-solving

🧠 Skills

Programming Languages
Python, Javascript, C, Bash

Frameworks Backend
Django, Flask, Node.js

Databases
MySql, Postgres, Mongodb

Frameworks Frontend
React.js, Vue.js, Jekyll

📂 Projects

Image Metadata Editor
A python web-app bundled with pyinstaller. Edits exif metadata of HDR images.

DNS Lookup Tool
Created a tool with Python and Django for efficient domain name system queries.

Streams On Fire
Built a platform integrating SQL databases, Python (Flask), and Vue.js to monitor active streams.

Parma Hospital Management System
Designed a hospital management system utilizing SQL databases, Python (Flask), and web technologies.

Rock Paper Scissors Game
Implemented an interactive game using Vanilla JavaScript.

Ball and Paddle Game
Programmed a classic ball and paddle game using Vanilla JavaScript.

Virtual Keyboard
Built an on-screen virtual keyboard with Vanilla JavaScript.

🌱 Volunteering

Peki Hub, *Coding Teacher*
- Taught foundational programming concepts and languages (Python, JavaScript) to beginner-level students.
- Encouraged problem-solving skills and logical thinking in a collaborative setting.