

Ibrahim Aminu Fullstack Developer

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📍 Kaduna, Nigeria

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👤 PROFILE

Full-stack developer with hands-on experience in Python, Java, C, and JavaScript. Skilled in designing, developing, and deploying web and desktop applications. Over 10 years of teaching and mentoring experience and proven leadership as Project Manager of ABU Devs. Passionate about building scalable solutions, learning new technologies quickly, and helping others grow in tech.

🎓 EDUCATION

Software Engineering, ALX-HOLBERTON.

Completed an intensive, project-based software engineering program covering low-level and high-level programming as well as full-stack web development. Built strong foundations in Linux, Bash, shell scripting, systems programming in C, and data structures and algorithms. Developed high-level skills in Python and JavaScript, creating REST APIs, web backends, and responsive frontends using HTML, CSS, React, and Node.js/Express, with extensive work in SQL/MySQL and MongoDB for database management.

06/2022 – 06/2023

Remote, South Africa

B.Sc. Computer Science, Ahmadu Bello University, Zaria

Coursework includes Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Operating Systems, Computer Networks, Software Engineering, Web Development, and Mobile Computing.

01/2022 – Present

Kaduna, Nigeria

🧰 PROFESSIONAL EXPERIENCE

Project Manager, ABU Devs – Student Developer Community

Organized and led workshops training hundreds of students in programming and software development. Managed team projects, coordinated events, and mentored junior developers, fostering a strong community of aspiring engineers.

ABU Zaria, Nigeria

Teaching & Mentoring, Independent / Community-Based

Provided one-on-one and group tutoring in programming and computer science concepts for over a decade. Designed and delivered technical content, helping students master software engineering fundamentals and practical skills.

SKILLS

Programming Languages — Proficient Python (Tkinter, Turtle, Flask, REST APIs), Java (Object-Oriented Programming), C (Systems Programming, Bash, Memory Management), JavaScript (Frontend & Backend, ES6, React, Node.js)

Desktop & Command-Line Applications

— Proficient

Tkinter GUI Applications, Python Scripting Utilities, Games with Turtle (Brick Breaker, Tic Tac Toe CLI)

Other Tools & Technologies — Competent Bash/Shell Scripting, Linux Environment, SQL (Databases used in Flask Apps), Deployment (Heroku/Render)

Web Development — Proficient HTML5, CSS3, Responsive Design, React (Components, Hooks, State Management), Redux (Global State Management), Node.js & Express, REST API Development & Integration, MongoDB (Databases, Mongoose), Full-stack Application Development, Testing (Jest, Supertest, React Testing Library)

Version Control & Collaboration

— Proficient

Git, GitHub (Branching, Pull Requests, Versioning), Agile & Project Management (ABU Devs)

Soft Skills — Proficient

Teaching & Mentoring (10+ Years), Project Management & Workshop Organization, Strong Communication Skills, Ability to Learn New Technologies Quickly

PROJECTS

Typing Trainer, Tkinter Desktop Application

Built an interactive app to improve typing speed and accuracy with real-time feedback and customizable text options.

Watermark Image Editor, Tkinter Desktop Application

Developed a GUI tool for adding watermarks to images, allowing users to protect and brand their digital content easily.

Hangspot, Flask + Bootstrap Web Application

Designed and developed a social media platform for sharing Wi-Fi and hangout locations, featuring user authentication, profiles, likes, and responsive UI.

Brick Breaker Game, Python (Turtle Graphics)

Recreated the classic arcade-style brick breaker game with Python Turtle, adding multiple levels, scoring, and collision mechanics.

Tic Tac Toe, Python Command-Line Application

Built a command-line version of the classic Tic Tac Toe game with clean logic, two-player mode, and replay functionality.

CERTIFICATES

Software Engineer

ALX / Holberton School – 1-Year Software Engineering Program

Completed an intensive, project-based program covering systems programming (C), Python, JavaScript, data structures & algorithms, full-stack development, databases, testing, deployment, and professional readiness.

Microsoft/ALX Certified Professional Foundations

Microsoft & ALX – Professional Development Program

Learned foundational workplace, leadership, and technology skills to support professional growth and career readiness.

Fullstack Developer Certification

University of Helsinki – FullStack Open Core
Mastered React, Redux, Node.js, Express, MongoDB, REST APIs, testing, and deployment while building real-world full-stack projects.

English for IT

Cisco – Professional Communication Course
Developed English communication skills specifically for technology and software engineering contexts, improving collaboration in global teams.

LANGUAGES

- Arabic
- English
- Hausa
- Igala
- Chinese