

Zubair Idris Aweda

Aspiring MS/PhD student in Computer Science

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Professional Summary

Aspiring MS/PhD student in Computer Science with strong academic standing and over four years of professional experience in full-stack engineering, distributed systems, and scalable web technologies. Extensive teaching experience, published technical writer with 300K+ readership, and active contributor to open-source communities. Interested in research areas related to robotics, human-robot interaction, AI systems, cognitive systems, and the societal impact of automation. Seeking to join a research-driven lab and contribute to impactful, human-centered computing advancements.

Professional Experience

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|---|-------------------|
| Author , <i>freeCodeCamp</i> ↗ | 2021 – Present |
| <ul style="list-style-type: none">• Published 15+ technical articles with 320K+ views.• Articles translated into multiple languages. | |
| Mid-Senior Full-Stack Engineer (PHP) , <i>Stax Payments</i> ↗ | 06/2022 – 10/2023 |
| <ul style="list-style-type: none">• Maintained and improved core application services.• Developed scalable features with unit testing.• Collaborated with UX and QA teams.• Reviewed and approved engineering code. | |
| Software Engineer , <i>AYU DIGITAL LTD</i> | 01/2023 – 05/2023 |
| <ul style="list-style-type: none">• Built notification services (Mailgun, Firebase, Twilio).• Implemented number verification and authentication.• Designed data import/export features.• Integrated Stripe for secure payments. | |
| Software Engineer , <i>Humongous.io</i> ↗ | 03/2021 – 06/2021 |
| <ul style="list-style-type: none">• Built unit and integration tests.• Debugged and improved frontend and backend components. | |
| Junior Backend Engineer , <i>CitonHub</i> ↗ | 11/2020 – 01/2021 |
| <ul style="list-style-type: none">• Maintained core application features. | |
| Web Developer , <i>CodeTouch Technologies</i> | 12/2019 – 11/2020 |

Education

Bachelor of Science in Computer Science, *University of Wolverhampton* [↗](#) 07/2026
United Kingdom

Technical Skills

Languages

PHP, JavaScript, TypeScript, Python

Frameworks

Laravel, Node.js, Express.js

Tools

Stripe, Firebase, Mailgun, Twilio

Databases

MySQL, PostgreSQL

Other

Unit Testing, Documentation, API Development

Research & Academic Interests

- Robotics
- Distributed Systems
- Human-Robot Interaction
- AI Ethics & Societal Impact
- Brain-Computer Interfaces
- Cognitive Science & ML Applications

Publications

- Earthly: Kafka vs RabbitMQ: What Are the Differences?** [↗](#) 01/12/2022
- Draft.dev: Build a flight booking app with PHP and Bootstrap - Part 1 and 2** [↗](#) 05/2022
- Section.io: Getting Started With Alpine.js** [↗](#) 10/11/2021

Certificates

- Introduction to Python and Machine Learning – Data Science Nigeria
- JavaScript Algorithms and Data Structures – freeCodeCamp
- freeCodeCamp Top Open Source Contributor 2021-2024

Teaching Experience

- Facilitator, GDSC University of Ilorin 3-Month Bootcamp** 2024
- Taught backend development using Node.js and Express.js.
- Lead Laravel Tutor, Engineering Career Expo 3.0**
- Taught fundamentals of Laravel and managed a 30-day code challenge.
- Python Tutor, Engineering Career Expo 2020**
- Backend Engineering Tutor, GDSC Unilag**

Public Speaking Experience

- Me and AI: Building Securely and Efficiently, DevFest Bletchley Park 2025** 11/2025
United Kingdom
- Observability with Google, DevFest Scotland Online 2024** 2024
- SQL Mysteries Workshop, GDSC Unilorin** 2023
- Roadmap to Tech Specialisation, Chatham University DSC** 2023
- OWASP Top 10 Security Talk, DevFest London 2023, Ogbomosho 2022**