

Parwar William Ofosu

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P.O.Box GP 501, Accra, Ghana

SOFTWARE BACKEND ENGINEER

I am a dedicated Backend Software Engineer and IT Consultant with 5 years of expertise in architecting scalable, high-performance backend systems for enterprise applications, mobility & transport, and financial services. My expertise spans API design, microservices architecture, and cloud computing, with a strong focus on security, efficiency, and scalability. Proficient in Node.js, Express.js, TypeScript, Golang, GraphQL, and experienced with AWS, Firebase, DigitalOcean, CI/CD automation, and database optimization (SQL & NoSQL).
As a co-organizer for React Ghana, I have demonstrated community leadership and mentored over 30 individuals in coding and UI/UX design, advocating for knowledge sharing and continuous learning.

EDUCATION

University of Ghana	Legon, Accra, Ghana
Bsc. Mathematics & Statistics	2019-2023
Andela	
Software Engineering	2023
African Leadership Experience (ALX)	
Software Engineering	2023

HONOURS AND ACHIEVEMENTS

Google IT Support , Certificate	2024
Law Tech Policy , Delegate Certificate	2024
Google Build With AI Series , Participant	2023
Certificate of Leadership Harvard University Aspire Institute , Certificate	2023
Google Cloud Innovator , Participant	2022

PROFESSIONAL EXPERIENCE

Research Contributor	February 2025
Google Research, Google Responsible AI Cultural Dataset Project	Accra
<ul style="list-style-type: none">Selected by Google Research to contribute to a global initiative enhancing AI's cultural representation.Providing expert insights on Ghanaian cultural artifacts across domains such as food, festivals, and traditional attire.Collaborating with Google's research team and RSB Insights to ensure diverse and accurate cultural data collection.Supporting the development of AI models that better reflect global cultural nuances through responsible dataset curation.	
Technical Product Manager	December 2024 - Present
BoardAndGo	Accra
<ul style="list-style-type: none">Defined and prioritized MVP features, translating business needs into technical requirements.Managed project timelines, tracked progress using Trello, and led daily standups.Collaborated with developers, designer, and stakeholders to ensure seamless product execution.Oversaw backend/frontend integration, API monitoring, and code review.Led testing and deployment efforts for backend (AWS, Docker) and frontend (Vercel).	
Senior Software Engineer	August 2024 - Present
Menes Konsult & Eurolaw Group LLC	Texas
<ul style="list-style-type: none">Created comprehensive specifications, and plans, and performed coding, testing, and debugging processes.Successfully implemented UI designs and delivered features to a user base of over 2,000, directly impacting core business values.Contribute to the development of new products that have increased the user base from 800 to 2000, driving business growth.	

Chief Technical Officer**May 2024 - Present****Global Branding****Accra**

- Developing a technology roadmap that enhances digital branding efforts at the agency.
- Ensure the agency stays true to its business objectives to deliver innovative branding solutions to clients through cutting-edge web technologies.
- Collaborate with the project manager, creative teams, and social media manager to ensure technology solutions meet client needs.
- Implement regular security audits and risk assessments to prevent breaches and maintain client trust
- Develop and enforce cybersecurity policies to protect the agency's and clients' sensitive data.

Software Engineer**September 2023 - August 2024****Vire Agency****Accra**

- Collaborated closely with the design team to translate user requirements and wireframes into functional and visually appealing web interfaces.
- Implemented efficient data validation and error handling mechanisms to enhance data accuracy and user interaction, resulting in a smooth and error-free experience for users.
- Actively participated in code reviews, providing constructive feedback and ensuring adherence to coding standards, best practices, and consistent UI/UX elements.
- Utilized version control (Git) and agile methodologies to manage codebase changes, track progress, and facilitate efficient collaboration within a cross-functional team.

Software Engineering Instructor**February 2024 - April 2024****SKILL-IT Ghana****Accra**

- Led engaging and comprehensive sessions on Software Engineering for a cohort of 6 students, showcasing exceptional teaching prowess and mentorship skills. Tailored the curriculum to suit diverse learning styles and backgrounds, ensuring maximum comprehension and retention.
- Designed and delivered a robust curriculum focused on web development fundamentals and graphics programming, equipping students with the tools and expertise to build interactive web applications. Emphasized key concepts such as HTML, CSS, JavaScript, and Unix programming, fostering a deep understanding of core technologies and methodologies.

Lead Software Engineer**Nov 2023 - Jan 2024****Partechologies and Consult****Accra**

- Led the development and implementation of cutting-edge IT solutions tailored to meet the unique needs of businesses.
- Spearhead a team dedicated to empowering businesses through innovative technology and software development.
- Ensure delivery of state-of-the-art solutions across industries, aligning with the firm's commitment to business empowerment.

Software Engineer**June 2023 - July 2023****UniGhana****Accra**

- Spearheaded the design, development, and implementation of a user-friendly waitlist frontend for UniGhana, an innovative educational technology startup focused on enhancing the university admission process.
- Collaborated closely with the product management and design teams to translate user requirements and wireframes into functional and visually appealing web interfaces.
- Utilized cutting-edge web technologies including Bootstrap and ReactJS to create a seamless and responsive user experience across various devices and screen sizes.

Intern Software Engineer**February 2023 - March 2023****Blubarter Inc.****Accra**

- Contributed as an integral member of a dynamic team of developers and under the guidance of the CTO to design, develop, and launch a cutting-edge Progressive Web App (PWA) for Blubarter, a forward-thinking startup focused on revolutionizing service providers to trade their services for equity in small businesses and startups.
- Actively participated in daily stand-up meetings, code reviews, and collaborative brainstorming sessions to drive the successful implementation of the PWA's frontend using ReactJS.

Software Engineer

December 2022 - August 2023
London & Accra

Give For Change Foundation & Bright Network,

- Independently conceptualized, designed, and developed tailored web applications for Give for Change Foundation, successfully addressing their unique business and philanthropic objectives as well as Bright Network.
- Utilized a diverse range of technologies, including CSS, JavaScript, and ReactJS to create responsive, user-friendly, and visually engaging web applications.

Web Developer

January 2022 - March 2022

KadTranslations

Accra

- Independently conceptualized, designed, and developed tailored web applications for KadTranslations successfully addressing their unique business objectives.
- Successfully revamped KadTranslations' online platform, implementing a responsive and user-friendly design that significantly enhanced the overall user experience.
- The redesign resulted in a 30% increase in website traffic and a notable improvement in client engagement. Implemented SEO best practices, leading to a 20% boost in organic search visibility and positioning KadTranslations as a prominent player in the translation services industry.

PROJECTS AND RESEARCH

Project Reference: www.bio.link/williamo

Exploring Roy Fielding's REST: Principles and Applications

May 2024

- Conducted an in-depth study of RESTful architecture as defined by Roy T. Fielding in his 2002 dissertation, focusing on its principles, design constraints, and practical applications in modern web development.

Real-Time Fraud Detection System: Enhancing Security for High-Volume Transactions

Feb 2025

- Designed and implemented a backend service for fraud detection in high-volume transactions. Developed algorithms to analyze transaction patterns, identify suspicious activities, and trigger real-time alerts. Leveraged predefined rules and machine learning models to enhance security in financial and transportation platforms, ensuring robust fraud prevention mechanisms.

VOLUNTEERING & LEADERSHIP EXPERIENCE

Community Co-Organizer, React Ghana

| 2023 – Present

- Facilitating mentorship, career opportunities, and professional development for junior react developers.

Web Developer Volunteer, Child Online Protection

| 2024

Community Volunteer, Google Developer Groups Accra

| 2023

Software Developer Volunteer, Give for Change Foundation

| 2023

Instructor & Co-Facilitator, Skillit Gh

| 2024

- Guided students in web development, enhancing problem-solving and critical thinking skills.

SKILLS & EXPERTISE

- Technical Skills:** Programming, Teaching, Backend Development, Research, Software Architecture, Database Management, Security & Performance Optimization, CI/CD Automation, Technical Mentorship
- Programming & Frameworks:** Node.js, Express.js, Fast API, JavaScript, TypeScript, Golang
- API Development:** REST, GraphQL, API Design, Authentication & Authorization (OAuth, JWT), WebSockets
- Cloud & DevOps:** AWS (EC2, S3, Lambda), Docker, Serverless Computing, CI/CD Pipelines
- Databases & Storage:** PostgreSQL, MySQL, MongoDB, Firebase, Superbase, Redis
- Tools & Workflow:** Git, GitHub, Jira, Trello, Asana, Unix/Linux, Agile (Scrum, Kanban)

REFERENCES

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