

DAVE BRYAN MAWULI TAMAKLOE

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Objective

Passionate backend engineer with proven experience in distributed systems, event-driven architecture, and database optimization. Demonstrated expertise in building scalable platforms, optimizing database performance and delivering fault-tolerant systems. Seeking to leverage my strong foundation in system design, API development, and cloud technologies to contribute to innovative backend solutions at a fast-growing tech company.

- Skills & abilities**
- **Project Management:** Strong planning and execution capabilities.
 - **Communication:** Excellent verbal and written skills for conveying complex concepts clearly.
 - **Client Relations:** Commitment to exceptional service, attention to detail, and creating positive experiences.
- Software Proficiency:** Advanced knowledge of Microsoft Office Suite with quick adaptability to new technologies. Deploying and managing applications on cloud platforms.

- Technical Skills**
- **Programming Languages:** Python, C, PHP, JavaScript, GO, HTML, CSS
 - **Frameworks:** Django, Flask, Laravel, Bootstrap
 - **Databases:** MySQL, SQLite, PostgreSQL, Redis
 - **API Development:** RESTful APIs, gRPC, MVC Architecture
 - **Tools:** Git, Apache Kafka, Asana, JIRA
 - **Cloud Services:** AWS, Google Cloud, Docker Containerisation
 - **Other:** MVC Architecture, Agile/Scrum Methodologies, Figma

- Experience**
- IMEDIC DATA SYSTEMS CO. LTD**
- Backend Developer (PHP/Laravel) | June 2024 - Present**
- Developed and maintained key features for software products improving system efficiency and driving a 15% increase in user adoption across hospitals.
 - Architected and developed MedicPay, a distributed event-driven payment platform processing hospital transactions using Laravel, Apache Kafka, and cloud infrastructure, ensuring real-time payment processing and reconciliation across multiple services.
 - Developed and maintained RESTful APIs for seamless integration between hospital management systems and payment services, ensuring secure data transmission and proper authentication protocols.
 - Implemented fault-tolerant systems with comprehensive error handling and monitoring, resulting in a 25% reduction in post-deployment issues and zero critical bugs in production.
 - Optimized database interactions for dynamic data retrieval and updates, resulting in a 35% reduction in retrieval time, contributing to overall system stability.

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- Coordinated with cross-functional teams to guarantee seamless integration and deployment of features, contributing to a 20% increase in product quality and client satisfaction.

IDEATION AXIS

Front End Developer Intern | May 2024 - June 2024

- Developed and implemented front-end components using HTML, CSS, and JavaScript.
- Collaborated with a cross-functional team to design and improve user interfaces for web applications.
- Worked on projects involving responsive design to ensure compatibility across various devices and browsers.
- Enhanced website performance by optimizing images, code, and implementing best practices for front-end development.

COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR) - WATER RESEARCH INSTITUTE

Research Assistant | November 2022 – October 2023

- Conducted research projects and experiments with meticulous attention to detail and adherence to scientific protocols.
- Collected and analyzed data, interpreted results, and prepared detailed reports while maintaining a high level of accuracy.
- Collaborated with multidisciplinary teams to achieve research objectives.
- Presented findings at journal club meetings, increasing team knowledge and awareness.

GHANA STATISTICAL SERVICE (GSS)

Field Enumerator | June 2021 – July 2021

- Engaged with diverse individuals to effectively collect and manage data.
- Conducting interviews using Computer-Assisted Personal Interviews (CAPI) software, resolving issues promptly and providing accurate information.

COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR) - ANIMAL RESEARCH INSTITUTE

Lab Technician Assistant | July 2019 – August 2019

- Conducted research projects focused on determining suitable feed options for poultry birds.
- Participated in data collection, analysis, and interpretation, ensuring accuracy and reliability of data.

Professional Certifications

- AWS Certified Cloud Practitioner – Amazon Web Services (Valid: October 2024 – October 2027) - *Validated expertise in AWS cloud services including EC2, S3, RDS, ECS and serverless infrastructure.*
 - Google Cloud Essentials – Google
 - Foundations of Cybersecurity- Google
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Education

AWS RE/START PROGRAM

AWS CLOUD PRACTITIONER TRAINING | June 2024 - September 2024

Completed an intensive, hands-on cloud computing training focused on core AWS services, cloud fundamentals, networking, security, Linux, and Python scripting. Gained practical experience deploying and managing cloud-native applications and working in real-world scenarios aligned with industry best practices.

ALX AFRICA

SOFTWARE ENGINEERING (FULL STACK DEVELOPMENT) | September 2023 - November 2024

AI STARTER KIT | April 2025 – May 2025

UNIVERSITY OF GHANA, LEGON

BSc. BIOLOGICAL SCIENCES (ANIMAL BIOLOGY AND CONSERVATION SCIENCES) | 2018 - 2022

ACHIMOTA SCHOOL

GENERAL SCIENCE (WASSCE) | 2015 – 2018

Leadership & Communication

- Software Development Project Lead, 2024
 - JCR ORGANIZING AND PUBLICITY COMMITTEE, JNAH | 2018/2019
 - UGSRC REPRESENTATIVE | 2018
 - Transport Director, CCF | 2021/2022
 - Mentorship of interns in safety laboratory standards.

 - Excellent communication skills which enable me to collaborate with colleagues, clients, stakeholders, and cross-functional teams to deliver high-quality results.
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