

MAAME YAA AKOTO-SAMPONG

Backend Developer | Data Analyst

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GitHub: <https://github.com/mayas-spec>

Accra, Ghana

PROFESSIONAL EXPERIENCE

IT & Data Analyst Intern

Nutrifoods Ghana, Accra | *January 2025 - April 2025*

- Analyzed business data and generated insights to support strategic decision-making and operational improvements
- Provided comprehensive technical support, resolving IT issues to maximize team productivity and system uptime
- Supported IT department in technology rollout, maintenance, and infrastructure upgrades for growing business requirements
- Developed and maintained technical documentation for internal use, facilitating knowledge transfer and improving team efficiency
- Created data visualizations and reports using analytical tools to support management reporting and KPI tracking
- Managed IT inventory and asset tracking, ensuring optimal hardware and software condition and accurate accounting
- Applied data analysis techniques to identify operational inefficiencies and recommend process improvements

Data Analyst Intern

Accenture, Remote | *January 2025*

- Completed comprehensive data analysis simulation, advising hypothetical social media client on strategic decisions
- Cleaned, modeled, and analyzed 7 complex datasets to uncover actionable insights into content trends and user behavior
- Prepared executive-level PowerPoint presentations and video reports to communicate key findings to client and internal stakeholders
- Demonstrated proficiency in data visualization and storytelling techniques for business impact
- Applied statistical analysis methods to identify patterns and generate strategic recommendations

National Service

African Peer Review Mechanism-Ghana Secretariat(AU), Accra | *October 2023 - September 2024*

- Conducted comprehensive governance data analysis to identify trends and generate actionable insights for policy development
- Performed field data collection through surveys, interviews, and observational methods across multiple regions
- Tracked and analyzed project progress against predefined KPIs and milestones using data-driven approaches
- Coordinated and facilitated monitoring & evaluation (M&E) meetings, workshops, and stakeholder events
- Maintained comprehensive project databases and generated detailed reports for executive decision-making
- Led corporate governance review project for AFCFTA implementation, identifying governance gaps and improvement opportunities

Corporate Banking Intern

Universal Merchant Bank, Accra | *October 2022 - December 2022*

- Assisted relationship managers in client portfolio management and responsive customer service delivery
- Processed account applications with attention to detail and regulatory compliance
- Participated in comprehensive training programs on corporate banking operations and financial services
- Gained hands-on experience in banking systems and client relationship management

EXECUTIVE ASSISTANT

Geowags Company Limited, Accra | *December 2018 - May 2021*

- Managed executive communications, schedules, and high-priority administrative tasks for C-level leadership
- Prepared comprehensive reports and presentations, contributing to strategic decision-making processes
- Handled sensitive correspondence and communications, ensuring professional business process facilitation
- Demonstrated exceptional organizational skills and attention to detail in fast-paced executive environment

PROFESSIONAL SUMMARY

Backend developer and data analyst with proven track record in IT support, data analysis, and system optimization across multiple industries. Currently advancing backend development skills through intensive MEST training. Demonstrated expertise in data analysis, having cleaned and modeled 7 datasets for strategic decision-making at Accenture. Strong analytical background with Bachelor's degree in Political Science and History, complemented by hands-on experience in governance data analysis and stakeholder management.

TECHNICAL SKILLS

Backend Development

- RESTful API Development & Design
- Node.js & Express.js
- Database Management & CRUD Operations (MONGODB)
- API Testing & Documentation
- Server-side Validation (Joi)
- Error Handling & Middleware Implementation

Data Analysis & Visualization

- MySQL Database Management
- PowerBI Data Visualization
- Data Cleaning, Modeling & Analysis
- Statistical Analysis & Trend Identification
- Strategic Insights Generation

Frontend Technologies

- HTML5, CSS3, JavaScript (ES6+)
- DOM Manipulation & Event Handling
- Responsive Web Design
- Form Validation & User Experience

Development Tools & Practices

- Git Version Control
- API Testing (Postman)
- Microsoft Office Suite & Google Workspace
- Local Storage Management
- Fetch API & Asynchronous Programming
- Software Testing & Documentation
- Application Deployment

- IT Infrastructure Support

Soft Skills

- Analytical Thinking & Problem-solving
- Stakeholder Management
- Team Collaboration & Leadership
- Clear Communication (Multilingual)
- Project Management & M&E
- Time Management
- Client Relations & Customer Service

EDUCATION

Master of Arts: Conflict, Peace and Security (*Expected January 2026*)
Kofi Annan International Peacekeeping Centre, Accra

Bachelor of Arts: Political Science and History (*January 2024*)
University of Ghana, Accra

Web Development Program – BACKEND DEVELOPER
Meltwater Entrepreneurial School of Technology (MEST)
In Partnership with Generation Ghana & MasterCard Foundation
Current - 2024

PROJECTS

Library Management System (Full-Stack Application)

Tech Stack: Node.js, Express.js, RESTful APIs, HTML/CSS, JavaScript, Tailwind CSS
GitHub: [<https://github.com/MafiaFour-LibProject>]

- I collaborated with a frontend developer team to develop a complete full-stack library management application with comprehensive CRUD functionality
- Built RESTful API with endpoints for book management (Create, Read, Update, Delete operations)
- Implemented robust server-side validation using Joi middleware and comprehensive error handling
- Created responsive frontend interface with modern UI using Tailwind CSS
- Integrated search functionality for books by title, author, and genre
- Documented API endpoints thoroughly and provided detailed setup instructions

Key Achievements:

- Successfully handled asynchronous operations and database interactions
- Implemented proper API response structures and error handling patterns

Dynamic Product Management System

Tech Stack: JavaScript (ES6+), Fetch API, DOM Manipulation, Local Storage

GitHub: <https://github.com/mayas-spec/E-commerce-2>]

- Built interactive product management system with real-time data synchronization
- Integrated external API for product data retrieval and manipulation
- Implemented complete CRUD operations with proper form validation
- Developed persistent data storage using localStorage for enhanced user experience
- Created responsive layout with live product preview and dynamic content updates

Key Features:

- Real-time form validation with user-friendly error messaging
- Asynchronous API calls for seamless data operations
- Dynamic DOM manipulation for interactive user interface

Registration Form with Advanced Validation

Tech Stack: JavaScript, DOM Manipulation, Event Handling

GitHub: [<https://github.com/mayas-spec/ProductForm>]

- Developed comprehensive user registration system with client-side validation
- Implemented complex validation logic including password matching and format requirements
- Created dynamic error messaging system with real-time feedback
- Demonstrated proficiency in form handling and user experience optimization

Portfolio Website

Tech Stack: HTML5, CSS3, Responsive Design

GitHub: [<https://github.com/mayas-spec/MyPortfolio>]

- Designed and developed my professional portfolio website showcasing my technical projects
- Implemented fully responsive design optimized for mobile and desktop viewing
- Integrated downloadable CV feature and interactive contact functionality
- Demonstrated strong understanding of web design principles and user experience

Wedding RSVP Form

Tech Stack: HTML5, CSS3, Semantic Web Design

GitHub: [<https://github.com/mayas-spec/Wedding-RSVP-form>]

- Created accessible and user-friendly RSVP form with semantic HTML structure
- Implemented responsive design principles for cross-device compatibility
- Focused on web accessibility standards and proper form element associations

CERTIFICATIONS

- AI-Augmented Professional Development Skills in the Digital Age
- Professional Development Skills for the Digital Age
- Virtual Assistant Training
- Data Analytics

ADDITIONAL EXPERIENCE

Research Project: Corporate Governance Review for AFCFTA Implementation

- Led targeted review of Ghana's corporate governance framework to identify gaps and improvement opportunities
- Conducted comprehensive stakeholder analysis and data collection across multiple sectors
- Generated actionable recommendations for policy development and implementation strategies

Web Development Training Participant

MEST x Generation Ghana x MasterCard Foundation
2024 - Present

- Engaging in intensive backend development curriculum with focus on modern web technologies
- Collaborating on multiple team projects demonstrating version control and agile development practices
- Gaining hands-on experience with API development, database management, and full-stack architecture
- Participating in code reviews and technical discussions to improve development practices.