Daniel Adetaba Adongo

Software Developer | Data Analyst

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Professional Summary

Results-driven Software Developer and Data Analyst with a strong academic background in statistics and hands-on experience building scalable web applications and performing data-driven analysis. Skilled in modern JavaScript frameworks, backend APIs, SQL, and R. Proven ability to translate complex data and requirements into efficient, user-focused solutions. Passionate about education, health technology, and systems that improve operational efficiency.

Core Competencies

• Full-Stack Web Development
• Data Analysis & Visualization
• SQL & Relational Databases
• RESTful APIs & Authentication
• Statistical Analysis & Reporting
• Agile Development & Collaboration
• Technical Documentation & Communication

Technical Skills

Frontend: Next.js, React, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js, REST APIs, JWT Authentication
Databases: PostgreSQL, SQL, MongoDB
Data Analytics: SQL analysis, R programming, data cleaning, visualization, statistical reasoning
Tools & Platforms: Git, GitHub, Agile/Scrum, CI/CD, Figma, Vercel

Professional Experience

Software Developer (Projects & Freelance) | 2023 – Present

2023 – Present
• Designed, developed, and deployed responsive web applications using Next.js and React.
• Implemented RESTful APIs and JWT-based authentication for secure user access.
• Translated UI/UX designs into reusable, accessible frontend components.
• Designed relational database schemas and wrote optimized SQL queries.
• Collaborated using Git/GitHub in Agile environments, managing features and bug fixes.
• Delivered a School Management System supporting academic data tracking for 500+

students.

Mathematics Tutor – St. Augustine's College | 2018 – 2024
• Assessed academic performance of 100+ students per semester using tests, assignments, and weighted-average analysis.
• Designed and updated mathematics curriculum for 300+ students to improve learning outcomes.
• Selected as a mathematics coach, supporting 20+ students in identifying learning gaps.
• Tracked and analyzed student progression for 90%+ of learners, enabling early intervention.
• Implemented mathematical software tools, contributing to a 90% increase in exam pass rates.
• Planned and administered assessments for classes of 45+ students in preparation for WASSCE.
• Maintained attendance and performance records and applied standardized evaluation criteria.

Health Insurance Office – Ghana Armed Forces (37 Military Hospital) | 2016 – 2018

• Prepared analytical reports, charts, and presentation materials to support management decisions.
• Directed program implementation activities and monitored performance metrics.
• Conducted monthly vetting of 1,000+ insurance claims with 100% accuracy.
• Delivered training and presentations to 50+ hospital staff.
• Advocated decentralized data-entry processes, reducing client queuing time by 70%.
• Mentored and trained 30+ internship students, improving onboarding efficiency.

Projects

Cyclistic Bike-Share Analysis (Google Data Analytics Capstone)
• Analyzed 12 months of bike-share data to compare member and casual rider behavior.
• Cleaned and transformed large datasets using SQL and R.
• Identified key usage patterns and produced actionable marketing recommendations.

School Management System (SMS)
• Designed and deployed a web-based academic management platform using Next.js.

Personal Finance Tracker
• Built a CRUD-based application to track income, expenses, and transaction history.

Education

Degree in Software Development – Brigham Young University (2024 – 2027)
Google Data Analytics Certificate – Coursera (2025)
Certificate in Software Development – Brigham Young University (2024)

Postgraduate Diploma in Education – University of Education, Winneba (2021 – 2023)
Bachelor of Statistics – KNUST (2012 – 2016)

Certifications & Professional Development

• Google Data Analytics Professional Certificate
• Software Development Certificate – BYU