Patrick Anim

GitHub | LinkedIn | Portfolio

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SOFTWARE ENGINEER (FULL STACK)

Results-oriented Software Engineer with a solid foundation in **system analysis** and **full-stack development**. Specialist in building high-performance applications using the **MERN stack** and **C#**, with a strong focus on clean logic, **Database** management, and user-centric design. Committed to solving complex engineering problems through **cross-functional** collaboration and continuous technical learning within professional software teams.

TECHNICAL SKILLS

Languages	:	JavaScript (ES6+), Java, C#, C++, Python, SQL, MySQL
Frontend	:	React, HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design
Databases	:	MongoDB, NoSQL, MSSQL Server, MySQL, Relational **Database** Architecture
Tools/DevOps	:	Git, GitHub, Cursor AI, Render, Netlify, Postman, CI/CD
Core Concepts	:	RESTful API Design, System Analysis, OOP, CRUD, **Algorithms**

TECHNICAL PROJECTS

Developer Resource Tracker   *MERN Stack, Tailwind CSS, Git*   Source Code

- Engineered a robust full-stack tool using React and Node.js that improved resource organization efficiency by an **estimated 35%** for a growing user base.
- Developed a custom RESTful API with **12+ secure endpoints** to handle complex CRUD operations and persistent data storage within a MongoDB **Database**.
- Implemented a mobile-responsive frontend with priority-based sorting **Algorithms** to help users organize **50+ daily study tasks** with zero latency.
- Configured automated deployment pipelines on **Netlify** and **Render**, reducing manual deployment time by **100%** through CI/CD integration.

Car Detailing Management System   *C#, MSSQL Server, Windows Forms*   Source Code

- Digitized complex business operations by building a desktop application that handles **multi-user scheduling** and automated record tracking for **100+ monthly clients**.
- Designed a relational MSSQL **Database** with strict validation protocols to ensure **100% accuracy** for customer service history and financial logs.
- Optimized **Database** queries and search filters which reduced administrative data retrieval time by **25%** for management staff.

School Management System   *C++, Data Structures, OOP*   Source Code

- Developed a high-performance console application utilizing custom **Algorithms** and data structures for efficient storage of **500+ student records**.

EDUCATION

IPMC GHANA   Accra, Ghana
Professional Diploma in Software Engineering   *Jan 2023 – Dec 2024*

- **Core Focus:** Advanced **Algorithms**, Object-Oriented Programming (OOP), and Relational **Databases** (RDBMS).
- **Engineering:** Specialized in Java and C# for designing backend logic and scalable **Database** system architectures.

Ngleshie Amanfro SHS   Accra, Ghana
WASSCE (Science Program)   *Sept 2012 – June 2015*

Professional Experience

News and Sports Research Assistant   Accra, Ghana
Pink FM   *Jan 2022 – Dec 2023*

- Synthesized over **25+ daily news segments** and sports statistics under strict 60-minute deadlines, facilitating **cross-functional** communication between departments.
- Optimized internal data verification workflows that ensured **100% accuracy** for high-profile, live on-air broadcasts reaching a regional audience.

IT Support Assistant   Accra, Ghana
Community Program   *Jan 2021 – Dec 2022*

- Standardized technical support protocols for **45+ community members monthly**, improving local digital literacy by an estimated **20%** through training sessions.
- Maintained hardware systems and performed regular software optimizations that reduced critical downtime by **15%** across **18+ active workstations**.