Albert Asamoah
Software Engineer (New Grad)

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Software Engineer and Master's student in Computer and Information Science with hands-on experience building, validating, and maintaining production web and cloud-based systems. Strong foundation in software engineering fundamentals, system design, APIs, databases, and infrastructure reliability, with experience contributing to scalable and reliable applications. Seeking 2026 new graduate software engineering roles focused on systems, cloud platforms, and long-term service reliability.

EXPERIENCE

Software Engineer (Web Systems)   Zhongshan Technology Co., Ltd
Aug 2022 – April 2024

- Worked on production web systems spanning frontend interfaces, backend services, and relational databases.
- Designed, implemented, and maintained application features using JavaScript, PHP, and SQL.
- Ensured functional correctness, data consistency, and reliable system behavior across multiple user scenarios.
- Collaborated with engineers on code reviews, defect identification, and system improvements.
- Contributed to modular, reusable codebases using Git and Agile development practices.

Software Engineering Intern)   Neusoft Corporation
Aug 2022 – April 2024

- Contributed to the development and testing of enterprise software systems supporting business operations such as sales management, logistics, and customer relationship management.
- Assisted in backend development and database-related tasks, including writing and validating SQL queries and supporting data-driven application features.
- Worked with internal tools for code generation, data migration, and build automation, gaining exposure to enterprise-scale software delivery workflows.
- Collaborated with engineers in a team-oriented environment to support system debugging, feature implementation, and quality validation.

PROJECTS

Stream Lab - Secure Movie Streaming Platform

- Built a secure movie-streaming web application with end-to-end user authentication and role-based access control.
- Designed RESTful APIs and integrated a database layer to manage users, content metadata, and playback workflows.
- Implemented secure coding practices aligned with OWASP guidance; performed vulnerability scanning and remediation.
- Containerized services and streamlined local deployment/testing using Docker and Git-based workflows.

WordPress LAMP Stack Deployment (Oracle Cloud)

- Deployed and operated a production LAMP stack, monitoring system health and availability.
- Validated database connectivity, backend logic, and frontend behavior in a Linux environment.
- ssisted in diagnosing configuration and runtime issues to improve system reliability.

MediCore - Electronic Health Record (EHR) Software

- Contributed to system design and validation for data-sensitive healthcare applications.
- Applied encryption and access-control concepts to protect sensitive user data.
- Collaborated with teammates to ensure compliance-driven correctness and reliability.

EDUCATION

Master of Science in Computer and Information Science   Aug 2024 – May 2026
Marquette University, Milwaukee, WI

- Concentration: Information Assurance and Cyber Defense
- Relevant Coursework: Advanced Computer Security, Network Design and Security, Software and System Security, Data Ethics

Bachelor of Science in Computer Science and Technology   Mar 2018 – Dec 2021
Shenyang Institute of Technology, China

- Focus Areas: Software Engineering, Databases, Operating Systems, Computer Networks

SKILLS

Programming Languages :	JavaScript, Python, PHP, MySQL, Java, React, Angular, Node.js, Kotlin, Ruby, C, Swift, Vue.js, HTML5, CSS3
Software Engineering :	Data Structures and Algorithms, Object-Oriented Programming, REST APIs, System Design.
Web and Systems :	Full-Stack Development, Backend Development, Frontend Interfaces, Database Design.
Tools and Platforms :	Git, Linux, Docker, AWS, Cloud Environments
Quality and Reliability :	System Validation, Debugging, API Testing, Secure Development Practices.
Infrastructure and DevOps Concepts :	CI/CD, Containerized Workloads, System Monitoring.

REFERENCES

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