Albert Asamoah

Entry-Level Software Developer (2026) — Backend, Cloud and Infrastructure Systems

 AsamoahAlbert | Albert Asamoah | | nanantim0601@gmail.com | (+1)4143495697

Entry-level Software Developer and Master's student in Computer and Information Science with hands-on experience building backend services, APIs, and cloud-based systems. Strong foundation in software engineering, system design, Linux environments, and secure development practices. Experienced collaborating in agile teams to deliver reliable, scalable software. Seeking a 2026 full-time software development role in backend, cloud, and infrastructure systems.

EXPERIENCE

Software Engineer — Zhongshan Technology Co., Ltd
Aug 2022 – July 2024

- Built and maintained backend services and APIs supporting web and mobile applications, ensuring reliable data consistency across multiple user scenarios.
- Designed, tested, and validated backend services using functional testing, logging, and data verification to ensure system reliability.
- Collaborated on feature evaluation and iterative improvements based on system performance.
- Supported feature evaluation workflows by validating backend feature behavior using metrics, logs, and controlled test scenarios.
- Collaborated within agile development teams to iterate on features, validate changes, and improve system reliability.

Software Engineering Intern — Neusoft Corporation
Jun 2020 – August 2020

- Assisted in backend feature development and evaluation for enterprise applications.
- Supported data-driven system validation by testing APIs and database workflows.
- Participated in debugging, reliability checks, and quality verification across services.

PROJECTS

Stream Lab - Secure Movie Streaming Platform

- Evaluated feature behavior and system performance using test scenarios, logs, and usage metrics.
- 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.
- Designed and evaluated backend feature changes using controlled test cases and data-driven metrics to ensure correctness before release.

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.
- Assisted 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: Java, Python, JavaScript, C++, SQL.
Backend and Systems: REST APIs, System Design, Data Structures.
Cloud and Infrastructure: Linux, Docker, AWS, CI/CD.
Web Technologies: React, HTML5, CSS3
Security and Reliability: Secure Coding, Testing, Debugging

REFERENCES

Wehr Professor and Founding Chair, Department of Computer Science
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