

Hanson Addo

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Education

George Mason University

Fairfax, VA

Bachelor of Science in Computer Science

Relevant Coursework: Algorithms and Data Structures, Database Systems, Operating Systems, Distributed Systems/System Development

Experience

Software Developer

Sept 2023 – Sept 2024

ScienceLogic (contract)

Reston, VA

- Collaborate with UX designers, product owners, and back-end teams to build delightful, intuitive user interfaces for React/Typescript applications.
- Review product backlogs, implementing features adhering to sound engineering principles while also taking an active role in owning, understanding, and prioritizing technical debt.
- Remain current on Web development technologies, assess new standards, technologies, and trends, and formulate and recommend strategies and tactics for future platform enhancements.
- Work in a collaborative, agile, and fun environment and drive the teams towards a Continuous Delivery mechanism in an opensource environment using React, TypeScript, JavaScript, GraphQL, MySQL, and PHP
- Participate in Scrum reviews, standups, retrospectives, and backlog grooming

Full Stack Developer/ Software Test Engineer

Aug 2021 – May 2023

George Mason University-Peterson Hall (full-time)

Fairfax, VA

- API testing using Postman and other suites of tools to check for latency
- Gained hands-on experience with networking and Linux system administration.
- Built efficient databases using SQL and performed data analysis.
- Tested various API endpoints in JavaScript, and Java using Junit.
- Developed and tested software using C/C++, contributing to performance optimization and stability.
- Administered Linux servers, ensuring secure and efficient operation.
- Applied cybersecurity principles to safeguard data and systems.

Full Stack Developer / Software Test Engineer

June 2022 – Aug 2022

Anheuser Busch (internship)

St Louis, MO

- Developed RESTful APIs supporting front-end applications, improving data accessibility and accuracy.
- Automated unit tests, resulting in high code coverage and low defect rates.
- Implemented dashboards for monitoring and tracking APIs, utilizing GIT for code management.
- Maintained several relationships with shareholders to obtain business needs to be implemented in a product.
- Experience working in all elements of the Software Development Life Cycle.
- Achievements: Saved tax department 1 hour/day of work, provided shareholders easy access to data, saved the company 30 hours/week.

Technical Skills

Programming Languages: Proficient in Java, C/C++, Python, R, SQL, PHP

Web Development: HTML, CSS, JavaScript, React, TypeScript, NodeJS

Database: MySQL, Oracle, MongoDB, MariaDB

Frameworks: Postman, Jira

Version Control: Git, GitHub, GitLab

Software Development Tools: Eclipse, IntelliJ, Visual Studio Code, Android SDK, SQL Developer, RStudio, Power BI

Operating Systems: Windows, Linux

Projects

Personal Portfolio | *JavaScript, React, HTML, CSS, Render, Git,*

- Developed a React-based personal portfolio showcasing professional work, skills, and achievements.
- Created engaging features like sidebars, skill showcases, and contact forms.
- Deployed using Render: [<https://react-portfolio-1-zg7q.onrender.com>]
- GitHub Repository: [<https://github.com/hanson-addo/react-portfolio>]

Server-side Business Logic and Android Client Mobile App | *Java, Android SDK, SQL,*

- I developed an Android client application demonstrating server-side interactions with a database.
- I created Java Server Pages with SQL select statements to retrieve data.
- I ensured data accessibility and implemented a login system.
- I delegated and ensured that my team did what I instructed.
- [Watch the project on YouTube](#)

Backend API for React App | *JavaScript, Firebase, Postman*

- I developed a Node.js backend with Firebase integration for data retrieval and persistence.
- I created React components for different views.
- I conducted performance testing using JUnit.
- I used Postman to ensure my code produced the expected results from my API calls.
- [Watch the project on YouTube](#)

Other Skills

Problem-Solving and Analytical Skills: Demonstrated through successful completion of projects.

Strong Communication and Collaboration Abilities: Effective collaboration with cross-functional teams.

Familiarity with Agile Development Methodologies: Experience working in an Agile environment.