

Dennis Amoah

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Professional Summary

Adaptable and detail-oriented **Software Developer** with a background in **full stack web development, IT support, and technical operations**. Skilled in designing, developing, and deploying responsive web applications, as well as analyzing data and implementing secure solutions. Strong foundation in **Python, SQL, JavaScript, HTML5, CSS3, and PHP**. Experienced in collaborating with teams, solving complex technical challenges, and ensuring compliance with high standards. Certified in **CompTIA Security+, AWS Cloud Practitioner, Data Science Fundamentals, and CRCST**. Known for blending problem-solving skills, technical expertise, and cross-disciplinary experience to deliver solutions that improve performance, enhance user experience, and support business goals.

Education

George Mason University – Fairfax, VA

Bachelor of Science in Information Technology, 2019 – 2023

Professional Experience

Sterile Processing Technician I – Inova Health System, Falls Church, VA

Feb 2024 – Present

- Ensure precision in sterilizing and preparing surgical instruments, applying **process-driven workflows** similar to software development pipelines where accuracy and compliance are critical.
- Utilize automated machinery and digital systems, reinforcing ability to work with **complex technical equipment and processes**.
- Collaborate daily with surgeons, nurses, and technical staff to meet strict deadlines, sharpening communication and teamwork in **fast-paced, high-pressure environments**.
- Adapt quickly to new procedures and protocols, demonstrating agility and continuous learning expected in modern software engineering.

Full Stack Developer – YAAANA (The Yiddish Arts and Academics Association of North America)

Aug 2022 – Feb 2024

- Designed, developed, and maintained the organization's **WordPress-based website**, implementing custom themes and plugins using HTML, CSS, JavaScript, and PHP.
- Improved website speed by **30% through caching strategies, database query optimization, and image compression**, directly enhancing user engagement and retention.
- Built interactive event and class modules that simplified registration and improved navigation, leading to an **increase in community participation and repeat visits**.
- Worked closely with project managers and design teams to **gather requirements, refine technical solutions, and conduct thorough testing**, ensuring projects were delivered on time.
- Resolved customer and user inquiries quickly, maintaining a **95% satisfaction rate** and building trust through responsive technical support.

Technical Co-Lead Coordinator – George Mason University, Virginia STAR Program

Mar 2022 – May 2023

- Provided hands-on support for over **100 faculty, staff, and student systems**, diagnosing and troubleshooting complex hardware/software issues to minimize downtime.
- Installed, updated, and configured enterprise applications, strengthening knowledge of **operating systems, network settings, and database tools**.
- Documented repair processes and trained team members, creating internal resources that improved **team efficiency by 20%**.
- Oversaw procurement and installation of computer parts, ensuring projects stayed within budget

and met technical requirements.

- Coordinated team communications using Microsoft Teams and Discord, enhancing collaboration across departments and projects.

Web Designer Intern – CHOYCES, LLC (Remote)

Sep 2021 – Dec 2021

- Developed **responsive and mobile-friendly web pages** using HTML5, CSS3, JavaScript, and PHP, boosting usability and accessibility.
- Improved site performance by **15% through optimization techniques** such as lazy loading and stylesheet refinement.
- Contributed to content creation, wrote blog posts, and moderated comments to increase user engagement and brand visibility.
- Collaborated in **bi-weekly virtual team meetings**, practicing agile-style workflows for sprint planning and task prioritization.

Technical Skills

- **Programming Languages & Frameworks:** Python (NumPy, Pandas), JavaScript, HTML5, CSS3, PHP, SQL
- **Web Tools & Design:** WordPress, Git/GitHub, Bash, Figma, Adobe XD, Xcode
- **Data & Analytics:** Data Visualization, Statistical Analysis, APIs, Jupyter Notebooks
- **Security & Cloud:** CompTIA Security+ (threat mitigation, security operations), AWS Cloud Practitioner
- **Other:** Project management, technical documentation, collaborative tools (Zoom, Jira, ClickUp, Microsoft Teams)

Certifications

- Certified Registered Central Service Technician (CRCST), Jan 2025
- Data Science Fundamentals with Python and SQL, Jun 2024
- CompTIA Security+, May 2024
- AWS Certified Cloud Practitioner, Jul 2023

Projects:

- **Python Data Science Project:** Built and tested machine learning models using Pandas/NumPy to perform regression and classification analysis. Automated data cleaning and visualization to uncover trends.
 - <https://github.com/damoah2/python-data-science-project/blob/main/Final%20Assignment.ipynb>
- **Python Documentation Site:** Designed a structured educational portal for Python beginners, featuring tutorials on data structures, file handling, and APIs.
 - <https://damoah2.github.io/python-doc/>
- **Calculator App:** Created a responsive, browser-based calculator using HTML, CSS, and JavaScript. Emphasized **clean UI design** and optimized performance across devices.
 - Website: <https://damoah2.github.io/calculator-js/>
- **Music Player App:** Developed a Swift-based music player that retrieves and organizes songs through JSON integration. Implemented a **simple, intuitive interface** for playlist navigation.
 - <https://github.com/damoah2/MusicPlayerProject>