Ayomide David Awonaya

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EDUCATION

Carleton University, Ottawa.   **SEP 2019 – August 2024**

Bachelor of Computer Science Honors

- Recipient of Carleton's $4000 Entrance Scholarship for incoming undergraduates with GPAs of over 80%
- **Relevant courses**: Data Structures & Algorithm, web development, Project Management, Object-Oriented Software Engineering, Database Management Systems, Trends in Big Data Management, Transaction Processing Systems

Carleton University Coding Boot Camp   **Feb 2021- August 2021**

- Certificate of Completion in Full Stack Web Development, **Distinction**

Technical Skills

- **Languages:** Java, JavaScript, Python, C, C++, HTML/CSS
- **Frameworks:** Express, Node.JS, React, JUnit, Selenium, Mongoose, Next.js, Tailwind CSS, Spring Boot, Django
- **Databases**: Cassandra, MongoDB, MySQL, Prisma, SQLite
- **Tools/Environment:** Git, AWS, GitLab, Linux, Mocha, Prometheus, Vercel, Convex, Supabase, Firebase, Visual Studio, PowerShell, Docker, Kubernetes

EXPERIENCE

Carleton Computer Science Society – Software Engineer   **September 2023 – April 2024**

- Developed and debugged over 15 software applications using Java, Python, C++ and C, Supporting the needs of over 200 students and faculty members. Leveraged frameworks like Spring Boot and Django for efficient backend development
- Provided technical support for software installations, troubleshooting, achieving a 95% user satisfaction rate by resolving issues promptly and optimizing user experience
- Proactively identified and mitigated over 20 potential software vulnerabilities, enhancing system security and reliability
- Assisted in the integration of new technologies into the existing system, resulting in a 30% improvement in system performance. Utilized Docker for containerization and Kubernetes for orchestration to ensure seamless Deployment
- Conducted Code reviews, ensuring adherence to best practices in Java, Python, C++ and C. Implemented a structured testing protocol, which led to a 90% reduction in bugs and enhanced code maintainability
- Managed project codebase using Git and GitHub, facilitating effective version control and collaboration among team members

Shell Plc – Full-Stack Developer.   **June 2020– August 2021**

- Designed and developed responsive user interfaces using React.js, enhancing user experience and accessibility. Implemented state management with Redux, ensuring seamless data flow and component interaction
- Built and maintained server-side logic using Node.js and Express.js, creating RESTful APIs to. Support frontend functionalities. Utilized MongoDB for database management, ensuring efficient data retrieval
- Achieved 80% test coverage using jest for both frontend and backend code, ensuring high application reliability and functionality. Conducted end-to-end testing to identify and fix integration issues.

APPLIED PROJECTS

AED Simulation Application - https://github.com/AyomideAwonaya21/3004-Project-

- **Tools:** C++
- **Description:** A software simulation application that mimics the core functionality of an AED Plus device, allowing users to perform actions such as analyzing heart rhythms, providing electric shocks and offering guidance during an emergency

Pet Finder Application - https://ayomideawonaya21.github.io/The-Ultimate-Personality-PetFinder/

- **Tools**: GeoAPIfy, Petfinder API, Foundation (Bootstrap alternative), jQuery
- **Description:** Created an interactive and responsive pet finder application that allows users to take a personality quiz, enter their locations to find pets up for adoption near them

Password Generator - https://ayomideawonaya21.github.io/password-generator/

- **Tools:** HTML, JavaScript
- **Description:** An application that solves the problem of creating different passwords for different scenarios

Weather Dashboard Application - https://ayomideawonaya21.github.io/weather-dashboard/

Tools: Open Weather API, CSS, HTML, JavaScript
Description: A weather application that tells the given weather of any city at any time