Toluwanimi Emoruwa

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EDUCATION

University of Ottawa   Ottawa, Ontario, Canada
Bachelor of Science in Computer Science   *Aug. 2021 – Dec. 2025*
Relevant Coursework: Databases 1, Programming Paradigms, Discrete Structures, Programming Concepts in C++, Data Structures and Algorithms, Operating Systems, Formal Languages, Analysis and Design of UI, Management Information Systems, Probability and Statistics

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, MongoDB, TypeScript
Frameworks: React, Node.js, Flask, JUnit
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Android Studio
Libraries: pandas, NumPy, Matplotlib

EXPERIENCE

Software Engineer Intern   Jan. 2024 - Apr. 2024
Trend Micro   *Ottawa, Ontario, Canada*
- Wrote code to validate user credentials when using our service using Golang, DynamoDB, Google Cloud Platform, Azure, and Amazon Web Services.
- Created a serverless framework and built cronjobs that worked to ensure user account security.
- Designed and built AWS Schedules, Lambdas to help more efficiently protect user privacy.
- Identified and addressed potential data leak points by adjusting the columns in DynamoDB.
- Reviewed and rebuilt the metric logger system to provide more insightful information about user behaviour.
- Analyzed data collected from the metric loggers and made changes based on this analysis to increase customer use of specific features.

Software Engineer Intern   May 2023 – Aug. 2023
Amazon Web Services   *Vancouver, British Columbia, Canada*
- Designed mockups for the UI of a new B2B service using Figma and Adobe Creative Cloud apps.
- Implemented design feedback and built the service using TypeScript, CSS, Esri, nebulaGL, and Mapbox.
- Created a validation system for the GeoJSON files uploaded to ensure data integrity, a view from which users could visualize, edit, delete, and add geofences to their collection, and leveraged AWS to validate user accounts and process user data for storage.
- Wrote unit and integration tests for the refactored code using CypressTests and upgraded used packages.
- Collected feedback and launched service to production

PROJECTS

CSSA Website | *TypeScript, React, AWS, GCP, NodeJS*
- Designed and built a website for the Computer Science Students Association.
- Built a CMS platform that allows team members to upload posters and events to the platform without any code using AWS, NodeJS, and MongoDB.
- Made a server to handle API calls from the website and CMS.

Premier League Database | *Python, MongoDB, NodeJS, ExpressJS, React*
- Built a full-stack web application using the MERN stack.
- Scraped, cleaned, and organized data into a database from fbref.com using BeautifulSoup.
- Used React libraries like recharts and ChartJS to compare and visualize the collected data on the website.
- Made a quiz based on "Connections" by making API calls to the database constructed from the web scraped data.
- The website allows users to visualize player data and compare them on graphs that are easy to understand and create.

Mealer App | *Android Studio, Java, Firebase*
- Developed a mobile application that allows users to order food from chefs.
- Implemented a system on which users can review chefs and specific dishes so chefs can alter their offerings.
- Created a login validation system using Firebase to store the details of users and help secure user accounts.