

Emmanuel Akinlosotu

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EDUCATION

WILFRID LAURIER UNIVERSITY

Bachelor of Science (Honors) in Computer Science

Waterloo, ON, Canada

Sept. 2020 - Aug. 2024

- Minor in Religion and Culture & Concentration in Big Data Systems
- GPA 3.7

EXPERIENCE

CIVICCONNECT

Cloud / Backend Developer

Associate System Administrator

Niagara, Ontario

Jan. 2024 – Aug. 2024

Sept. 2022 – Dec. 2022

- Recognized AWS optimization strategy; established deployment standards and tracking for 45+ projects; tagged resources to identify costs, set billing alarms, & removed idle resources, reducing AWS costs by 15%.
- Supported 5 teams (25 developers) by managing environments, configuring resources, deploying applications, and providing technical guidance; ensured timely, budget and time compliant project delivery.
- Designed and configured a remote development environment and implemented CI/CD pipelines using GitHub Actions and AWS CodePipeline; accelerated project development by 20%.
- Developed and designed Figma mockups; translated them into responsive web components; optimized performance and ensured compatibility across devices and browsers using React, Next.js, and JavaScript.
- Architected and provisioned cloud infrastructure for client projects; templated AMIs to expedite future setups, leveraging AWS EC2, S3, and Supabase for high availability and scalability.

OPENTEXT

Software Developer

Waterloo, Ontario

May. 2023 – Dec. 2023

- Mentored by Principal Engineer, guided bootstrapping Secret Mediator MVP; defined requirements and spearheaded core secret retrieval API implementation using Java 17 Micronaut Framework.
- Developed RESTful APIs to streamline cryptographic operations across AWS, GCP, HashiCorp & Azure for a large enterprise app (Key Mediator); iteratively improved based on feedback, enhancing functionality.
- Developed a Python tool using Robot Framework & Browser Library; automated end-to-end tests of popular user flows through the frontend & API calls, reducing manual efforts and elevating testing efficiency by 33%.
- Collaborated with a global team, utilizing agile methodologies to maintain synchronized project development across varying time zones.

COOPERATORS

Software Developer

Kitchener, Ontario

Jan. 2023 – Apr. 2023

- Maintained two business-critical web applications using React, Express, Node.js, and SQL; performed bug fixes and assisted in implementation of new features to ensure application stability and reliability.
- Conducted comprehensive security audit of codebase; parsed log files, identified and removed personally identifiable information leaks; assisted in implementation of secure coding practices to prevent PII exposure.
- Migrated from a deprecated testing suite to React Testing Library, doubling test coverage and enhancing code reliability and maintainability; reduced technical debt stories by 50%, streamlining future development efforts.

PROJECT HIGHLIGHT

ElderlyEase - [frontend](#) [backend](#) [deployment](#): Participant in Brock University's Navigate Cohort 7; in-home care platform for the elderly; built with React, Next.js, Python, FastAPI, and SQL; elder-caregiver matching algorithm.

SantoWrldWide E-commerce - Shopify backend using GraphQL, Next.js, TypeScript - [repository](#) [deployment](#)

AI Lung Cancer Detection Using Ensemble of CNN, VGG16, ResNet50, & InceptionV3 models - [repository](#)

ADDITIONAL

Technical Skills: AWS, TypeScript, Node.js, Express, SQL, Python, Java 17, Supabase, Git, GraphQL, Docker

Frameworks and Libraries: React.js, Next.js, Angular, Express.js, Micronaut, Selenium, Robot Framework

Certifications & Training: AWS Certified Cloud Practitioner, AWS Certified Solutions Architect