Daniel Esemezie

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EDUCATION

Honours Bachelor of Science in Computer Science (HBSc) London, ON
Western University, Faculty of Computer science Dec 2025

- Cumulative GPA: 3.8/4.0
- Relevant Coursework: Intro to Software Engineering, Intro to Web development, Data Structures & Algorithms, Object Oriented Design, Databases, Intro to C, Linux, Computer Networks.
- Dean's honor List 2022/2023 (90% average)

AWS Certified Cloud Practitioner Sep 2025

- Validated foundational expertise in AWS global infrastructure, core services, cloud security, and pricing models.
- Applied certification knowledge to support cloud adoption, migrations, and multi-cloud strategies (S3, EC2, Lambda, Route53, Security Groups, IAM roles).

SKILLS

Languages: JavaScript/Typescript, Java, C, C++, SQL (Postgres), Python, HTML/CSS, PHP, Ruby, React Native, C#, GraphQL.
Cloud Computing: Google Cloud, PostgreSQL, MongoDB, MySQL
Version Control and Collaboration: Git, Confluence, GitLab, Bitbucket
Frameworks & Miscellaneous Technologies: Express.js, Node.js, React.js, Next.js, Typescript, Angular.js, JavaFX, Java Swing, JUnit, TensorFlow, IntelliJ IDEA.

PROFESSIONAL EXPERIENCE

Software Development Intern Vancouver, BC
Chez you Sep 2024 –Dec 2024

- Accelerated the platform's service speed using **Node.js**, crucial for real-time updates, boosting system efficiency by 30%.
- Led **agile** development practices, increasing process efficiency and enhancing customer satisfaction.
- Partnered with the front-end team using **React** to elevate user experience, resulting in a 20% increase in user engagement.
- Built a **Jest**-based automated test suite integrated with **CI/CD** pipelines, reducing production bugs by 35%.

Software Developer London, ON
Cyder mobile May 2024 – July 2024

- Developed an MVP for a startup transitioning their web application to a mobile platform to facilitate data banking, this Android app allows users to securely share their data in exchange for rewards, increasing user engagement by 40%.
- Implemented direct bank account linking for secure verification and transactions, a gamified user experience with rewards and real-time security alerts. Implemented using **Kotlin** and **XML**, the app aims to enhance user engagement and security, with potential future expansion to iOS.

PERSONAL PROJECTS AND LEADERSHIP EXPERIENCE

Word Wise (Microsoft Word Clone) Java Swing **London, ON**
Software Engineering Club (Project Lead) Jan 2025 - Mar 2025

- Developed "Word Wise," a **Java**-based text editor. This application integrates advanced functionalities such as real-time Designed spell checking, document metrics, and comprehensive text editing tools. Utilizing the Levenshtein-Damerau algorithm, it boosts suggestion accuracy by 35%, ensuring minimal disruptions during writing tasks.
- Engineered the application using a robust MVC architecture, which improved code maintainability by 50% and facilitated advanced file management capabilities.
- Designed a user-friendly interface with **Java** swing, emphasizing a clean and intuitive experience.
- Managed a substantial codebase within a collaborative team environment, utilizing **Git** for streamlined version control and **Maven** for builds, which accelerated the development cycle by 20%.
- Implemented thorough testing using **JUnit** to ensure code quality and reliability, reducing bugs and improving software stability

Bit Buddy (Virtual Pet) London, ON
Project Developer Dec 2024 – Feb 2025

- Developed BitBuddy, a desktop-based digital pet simulation game using **C++** and **Qt**, reminiscent of early 2000s handheld pets.
- Implemented a complex pet care system where users manage the needs of their BitBuddy, such as hunger, health, and happiness.
- Designed and maintained a user-friendly graphical interface to enhance user engagement and accessibility.
- Applied **C++** for efficient backend development and **Qt** for responsive frontend design, significantly improving my software architecture and UI development skills.
- Enhanced project management by implementing **JIRA** for task tracking and streamlined build processes using **CMake**; increased development team productivity by 30% and reduced build times by 20%.