Andrew Iheanacho

204-881-3815 | andrewiheanacho811@gmail.com | [LinkedIn](#) | [github.com/Andrew-Ih](#)

Education

Bachelor of Computer Science – Honours (Co-op)   **Expected Graduation, Dec 2026**
University of Manitoba   Winnipeg, MB
Relevant Coursework:
- Data Structures & Algorithms, Software Engineering, Database Management Systems, Object-Oriented Programming, Distributed Computing, Operating Systems, Human-Computer Interaction.

Certificate:
- AWS Certified Cloud Practitioner

Experience

Software Engineer Intern   **May 2025 – Present**
Value Partners Investments   Winnipeg, MB
- Developing and maintaining scalable RESTful APIs in C#/.NET, applying Clean Architecture and SOLID principles to ensure maintainable, high-performance backend systems.
- Designing and optimizing CI/CD pipelines in Azure DevOps, leveraging deployment slots for staging, validation, and production releases, reducing manual deployment time and increasing release reliability.
- Refactoring frontend, backend and API endpoints for improved performance, writing unit tests with XUnit to achieve high code coverage, and using Postman extensively for testing, and debugging.
- Deploying cloud services with Azure Function Apps and App Services, delivering event-driven, scalable architectures.
- Building responsive web apps using React, Next.js, TypeScript, JavaScript, Tailwind CSS, and MUI, ensuring UI consistency, accessibility, and user-centric design.
- Participating in code reviews to enforce best practices, reduce technical debt, and maintain long-term scalability.

IT Support Analyst   **Sep. 2024 – Apr. 2025**
IST – Technology Services University of Manitoba   Winnipeg, MB
- Managed user accounts and permissions through Azure AD, Entra, and Exchange Admin Center.
- Automated tasks using PowerShell to streamline account creation, management, troubleshooting and issue resolution.
- Resolved 30+ daily tickets using Cherwell and IT service management tools, improving issue resolution time by 20%
- Created detailed documentation and training materials to improve resource utilization and reduce recurring technical issues.

Projects

AI-Powered Expense Tracker | *Node.js, Typescript, Express.js, AWS, Next.js, OpenAI, REST API*   **July 2025 – Aug. 2025**
- Built a full-stack Saas web app with 20+ active users that allows users to track expenses, manage budgets and query an AI chatbot for personalized financial insights.
- Integrated an AI Assistant using **OpenAI GPT API** with custom **prompt engineering** that analyzes user financial data to provide spending insights, offer budget recommendations, help users navigate expenses and provide personalized financial advice.
- Utilized **Node.js**/**Express.js** to create scalable **RESTful APIs** with modular architecture following **SOLID** principles.
- Deployed serverless backend on **AWS Lambda** with **DynamoDB** and built responsive frontend using **Next.js**, **Typescript** and **MUI**.
- Automated deployments using GitHub Actions **CI/CD** pipelines and **CloudFormation** for **infrastructure-as-code**.

StockTracker | *C#, Azure, Next.js, DevOps, CI/CD Pipelines, REST API*   **May 2025**
- Built and deployed a **.NET Azure Function App (C#)** serving **RESTful APIs** for stock data, top gainers, and losers.
- Created and deployed a frontend **Azure Static Web App (Next.js + Tailwind CSS)** connected to the backend via API routes.
- Implemented **CI/CD pipelines** with Azure DevOps for automated deployment of the function app and static web app.
- Tested and secured APIs with **Postman** and **Azure authentication**, while enabling zero-downtime rollouts via **deployment slots**.

Movie Discovery Web App | *React, Vite, Tailwind CSS, AppWrite, REST API*   **May 2025**
- Developed a responsive movie search platform using **React** and **Vite** to deliver real-time movie metadata via the **TMDB API**.
- Integrated **AppWrite** as the backend service to track and display the top 5 most searched movies based on user activity.
- Implemented **debouncing** logic to optimize API requests, reducing server load by ~90% during user search input.

Technical Skills

Languages: TypeScript, JavaScript, Python, Java, C#, C++, C, SQL, HTML, CSS, XML
Frameworks & Libraries: Node.js, Express.js, .NET, React, Next.js, JUnit, Tailwind CSS, XUnit
Cloud & DevOps: Microsoft Azure, AWS, DevOps, CI/CD Pipelines
Tools & Platforms: Git, GitHub, Visual Studio, VS Code, Webpack, IntelliJ, AppWrite, Postman, Android Studio, Figma