

Jiro Kakpovbia

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EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Computer Science, BCS

Expected Spring 2027

- **Awards:** Varsity Football Athletic Scholarship, President's Scholarship of Distinction, President's Athlete Academic Honour Roll Distinction, CJ Moore Memorial Award, Jacob Wehrle Memorial Scholarship.
- **Relevant Courses:** Elementary Algorithm Design and Data Abstraction, Tools and Techniques for Software Development, Object-Oriented Software Development, Data Structures and Data Management.

TECHNICAL SKILLS

Languages: C, C++, C#, Python, Java, JavaScript, TypeScript, PHP, HTML, CSS, BASIC, XAML, SQL, GraphQL.

Frameworks: Node.js, Next.js, Express.js, Processing.js, Tailwind CSS, .NET.

Libraries: React, Redux, TensorFlow, PyTorch, NumPy, Matplotlib, AOS, OpenCV, Material UI.

Developer Tools: Git, Docker, Kubernetes, Linux, Bash, Vim, MySQL, Jest, Azure, Azure DevOps, Jira.

EXPERIENCE

Junior Software Developer

May 2025 — Present

The Equitable Life Insurance Company of Canada

Waterloo, ON

- Leveraged **Azure OCR** to develop and demo a **React-based** proof of concept for an eApp, enabling automated data extraction from scanned documents to improve data accuracy and reduce manual data entry by **13%**.
- Utilized **React**, **Redux** and enterprise-grade **Material UI** components to create scalable webpages, managing deployments across dev and QA pipelines while maintaining **100% code coverage** through **Jest** unit testing.

Back-End Software Engineer

Sep 2024 — Dec 2024

Print + Retail Solutions, University of Waterloo

Waterloo, ON

- Developed a Middleware application using **Node.js**, **Docker** and Shopify's **GraphQL Admin API** to automate exports to the company's online store, reducing processing time from **3 hours** to **5 minutes**.
- Created and optimized **BASIC** and **Bash** scripts for data export pipelines, facilitating the successful migration of the company's online store from **Magento** to **Shopify** with improved data consistency and error handling.
- Configured and troubleshooted **10+ Linux-based** point of sale and network systems to ensure seamless operation during live retail events, improving system uptime by **15%** and reducing onsite tech support needs.

Full-Stack Web Developer

Jan 2024 — Apr 2024

Print + Retail Solutions, University of Waterloo

Waterloo, ON

- Refactored legacy product data export workflows using **BASIC** and **Bash**, achieving a **25%** increase in export speed while enhancing data accuracy through added validation and error-handling mechanisms.
- Enhanced back-end reliability by **30%** through independently debugging, writing, and modifying **15+ BASIC and SQL scripts** for inventory and e-commerce integration.
- Improved user experience and form usability for **1300+** faculty by redesigning front-end workflows using **HTML**, **CSS**, **JavaScript**, **PHP**, and **SQL**, reducing submission errors and streamlining multi-step workflows.

PROJECTS

Finance Tracker | C#, XAML, .NET MAUI, iOS, Android

April 2025 — May 2025

- Designed and implemented a cross-platform **.NET MAUI** mobile app using **C#** and **XAML** to parse CSVs from various banks, providing users with real-time balance and transaction histories for multiple credit/debit accounts.
- Engineered mapping-based CSV parser with configurable data entries for **5+ Canadian banks** and **JSON-based** local storage to introduce **100%** data persistence across restarts, eliminating repeated user configuration.

VRToShopify | BASIC, Node.js, JavaScript, Bash, Docker, MySQL, GraphQL

Sep 2024 — Dec 2024

- Produced a **Node.js** and **Docker-based** Middleware application to handle Shopify imports, achieving a **36x** reduction in bulk import duration through **MySQL** schema optimizations and **GraphQL API** interactions.
- Overhauled **BASIC** and **Bash** scripts to remove **200+** malformed product records from data exports through comprehensive validation logic, and led a **KT session** outlining system architecture and **key workflows**.