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, Express.js, Processing.js, Tailwind CSS, .NET.
Developer Tools: Git, Docker, Kubernetes, Linux, Bash, MySQL, Microsoft Azure, Postman, JIRA, Figma, CI/CD.
Libraries: React, Redux, TensorFlow, NumPy, Matplotlib, AOS.

EXPERIENCE

Junior Software Developer — May 2025 — Present
The Equitable Life Insurance Company of Canada — *Waterloo, ON*
- Leveraged **Microsoft Azure OCR** to develop a **React-based** proof of concept for an eApp, enabling automated data extraction from scanned documents, improving data accuracy and reducing manual data entry by **13%**.

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 data exports to online store, removing manual input and reducing processing time from **3 hours** to **5 minutes**.
- Created and optimized **BASIC** and **Bash** scripts for data export pipelines, facilitating successful migration of the company's online store from **Magento** to **Shopify** with improved data consistency and error handling.
- Configured and troubleshot **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+ UniVerse 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

VRToShopify | *UniVerse BASIC, Node.js, JavaScript, Bash, Docker, MySQL* — 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.
- Employed comprehensive validation logic to remove **200+** malformed products records from exports, ensuring high data integrity in Shopify imports.
- Overhauled data export logic by designing and implementing **UniVerse BASIC** and **Bash** scripts to convert **Magento-specific** data structures into **Shopify-compatible** formats, simplifying the data migration pipeline.

University of Waterloo Requisition Forms | *HTML, CSS, JavaScript, PHP, SQL* — Feb 2024 — Apr 2024
- Enhanced console UX by using **JavaScript** to add **7+** new functionalities, including dynamic summary views and real-time **SQL database** interactions.
- Streamlined exam requisition processes for **1000+ users** through **HTML** and **CSS**, and integrated real-time **JavaScript** error validation to eliminate form input errors.
- Simplified the appearance of confirmation emails using **HTML**, increasing print processing efficiency by **50%**.
- Automated billing exports for print batches by generating CSV files using **PHP**, reducing manual export tasks.