

JESHURUN CONSTANTINE

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OBJECTIVE

Software Engineering student with practical experience in backend development, cloud computing, and web design. Looking to join a forward-thinking team where I can apply my technical foundation and collaborative skills to real-world software projects.

EDUCATION

Bachelor of Software Engineering Co-op (Honors)

Oshawa, ON

University of Ontario Institute of Technology

Enrolled: 2023

- Dean's List, Honor Roll
- Object Oriented Programming; Web Programming; Data Structures & Algorithms; Data Management Systems; Systems Programming; Software Designs & Architectures; Computer Networks, Operating Systems

WORK EXPERIENCE

Ebenezer Solutions (Jr. Software Architect Intern)

Sep 2025 – Nov 2025

MongoDB, Node.js, Python, AWS, FHIR/HL7 standards, GitHub

- Helped create a digital health interoperability platform to facilitate secure and consent-driven health data exchange across Canada.
- Collaborated in a team of five, contributing as one of two backend developers responsible for implementing server-side functionality and database integration.
- Created the database structure, compliant with FHIR/HL7 standards; used Python scripts to convert CSV files to JSON format to upload to MongoDB; and used Node.js to create backend modules, making regular commits to GitHub Repo.

Skintek (Web Developer Intern)

Jul 2025 – Aug 2025

WordPress, Elementor, Figma, HTML, CSS, JavaScript

- Redesigned and implemented a full WordPress website using Elementor Pro and staging environments, ensuring a responsive, modern design aligned with provided Figma wireframes.
- Configured and optimized site functionality and security, including custom navigation, carousels with tabbed layouts, and custom CSS/JavaScript for dynamic styling and responsive layouts.
- Researched and evaluated SEO strategies, including keyword optimization, on-page structure, and back-link opportunities, to improve site visibility and align the website with best practices for organic growth.

CAA Insurance (Summer Student Intern)

May 2024 – Aug 2024

Microsoft Word, Excel

- Worked within Accident Benefit – Bodily Injury department, completing data entry tasks.
- Collaborated in a fast-paced team environment, coordinating with colleagues to achieve daily quotas.
- Managed sensitive claim requests, official forms, and follow-up letters, ensuring accuracy and timely delivery.

PROJECT EXPERIENCE

Automated Image Processing Pipeline – Personal Project

In-progress

Python, AWS Lambda, S3, DynamoDB, Rekognition

- Developing a serverless image processing system that automatically categorizes uploaded images using AWS Rekognition labels.
- Storing image metadata and categories in DynamoDB for efficient filtering and searching.
- Implementing face analysis to extract attributes like age range and emotions, showcasing AI-powered insights.

Leave of Absence Dashboard – Course Project

Nov 2025

Python, Flask, PostgreSQL, React, AJAX

- Developed a web-based application to streamline leave management and alleviate administrative workload.
- Provides a database-driven interface that allows employees to apply for leave and enables managers to manage approvals and monitor up-to-date leave balances, which are calculated and displayed dynamically.
- Full CRUD backend and authentication.

Monitoring & Alerting System – Course Project

Nov 2025

Shell Scripting, Linux, WSL, Ubuntu

- Developed a program to monitor system metrics, evaluates them against configurable thresholds, checks services, logs results, and sends alerts when issues are detected.
- The system can run manually or automatically through cron.

Version Control – Course Project

Apr 2025

HTML, CSS, JavaScript

- Developed a web-based text editor with version control functionality, enabling users to save multiple versions of text and restore previous versions.
- Implemented undo/redo functionality using data structures, allowing fine-grained text edits and recovery.
- Built a version history panel for easy navigation and restoration of prior document states.

EXTRACURRICULAR ACTIVITIES

Innovation Challenge – 1st Place Winner

Oct 2025

Experience Ventures Program / Ontario Tech University

Oshawa, ON

- Developed an AI-powered predictive maintenance solution for railway systems using IoT sensors and data analytics.
- Collaborated with a team to research industry problems, design a prototype, and deliver a business pitch.
- Awarded 1st place and \$2500 for demonstrating innovation, feasibility, and real-world impact.

STEM Club Founder

Sep 2022 – Jun 2023

J. Clarke Richardson

Ajax, ON

- Founded the high-school's first STEM club, and secured funding from the principal.
- Organized weekly workshops and competitions to promote teamwork and problem-solving.

Additional

Technical Skills: C++, Java, JavaScript, HTML/CSS, GitHub, MySQL, Microsoft Suite, AWS Cloud, Linux, Shell Scripting, Perl, UML Design, Windows PowerShell, MongoDB, Node.js, Python, PostgreSQL

Certifications & Trainings: Royal Conservatory of Music (Level 10 Piano, Harmony & Counterpoint, History)

Interests/Self-Study: Interested in Data Science and working on AWS Cloud Practitioner Certification