

# Felix Ezama-Vaughan

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## EDUCATION

### University of Calgary

*Bachelor of Science in Computer Science, Specialization in Software Engineering*

Calgary, AB

Sept. 2018 – Nov 2022

## EXPERIENCE

### Backend Developer

Jan. 2024 – Present

*Ontopical*

Calgary, AB

- Design and maintain distributed microservices for data processing and machine learning pipelines using Linux, Flask, NodeJS, PostgreSQL, OpenSearch, and AWS, ensuring scalability and resilience of backend systems
- Implement pip3 libraries for authentication, request validation, and data processing, enhancing security and promoting code reuse across multiple microservices
- Write comprehensive tests using unittest and pytest to increase code coverage, resulting in robust data processing pipelines
- Integrate advanced language models into microservices using TensorFlow and AWS SageMaker, enabling automated data extraction and classification of textual, audio, and video inputs
- Leverage cloud infrastructure (e.g., AWS Lambda, S3, Batch) to build asynchronous, event-driven microservices, minimizing latency and maximizing throughput for high-volume data processing tasks

### Full Stack Developer

Jan. 2023 – Jan. 2024

*HV Logic Ltd.*

Calgary, AB

- Developed and maintained proprietary business management software using React, NodeJS and MongoDB
- Performed end-to-end, unit and automated testing using Postman, Mocha, TestCafe and Jest, improving code maintainability, reliability, and coverage
- Transformed legacy software from monolith to layered architecture, leading to more agile and performant software
- Conducted research to identify and address gaps in existing software, resulting in significant knowledge acquisition in the form of developer and user documentation and manuals

### Backend Developer Intern

May 2022 – Nov. 2022

*Reach Ltd.*

Calgary, AB

- Contributed to the design, development, testing, and maintenance of microservices and API gateways using Java Spring Boot in a Linux environment
- Developed efficient scripts in Bash and Python to streamline team workflow and increase productivity
- Created innovative asynchronous notification handling components for a WooCommerce payment plugin in PHP
- Wrote comprehensive tests using JUnit, Mockito, RestAssured, and MockServer, which significantly improved code maintainability, reliability, and coverage
- Developed an internal service for API testing, reducing technical debt

## RECENT PROJECTS

### Replstash | *Typescript, Debug Adapter Protocol, VS Code Extension API*

Feb. 2025

- Developed a VS Code Typescript extension to streamline debugging workflows by allowing developers to save, edit, and rerun REPL content captured at breakpoints with support for Python, JavaScript and Bash
- Includes integrated commands, dynamic panels and view containers to manage, execute and inspect content
- Published and available for download on the VS Code Marketplace

### YouTube Caption Search Chrome Extension | *JavaScript, AWS, HTML, CSS*

Dec. 2023

- Developed a Chrome extension that enables users to search YouTube captions in multiple languages and jump to associated timestamps within videos
- Utilized native JavaScript, HTML, and CSS for the extension's development
- Published the extension on the Chrome Web Store

## TECHNICAL SKILLS

**Languages:** Python, Javascript, TypeScript, Java, SQL (PostgreSql), Bash, PHP

**Libraries/Frameworks/Protocols:** Flask, Node.js, Spring Boot, React, Next.js, JUnit, Mockito, Express, Mongoose, Mocha, TestCafe, Jest, Pytest, Unittest, WebSockets, Debug Adapter Protocol

**Developer Tools:** Linux, Git, Github/Bitbucket, Vercel, Docker, Redis, MongoDB, AWS, OpenSearch, Maven, Gradle, npm, Terraform, Jenkins