

# 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

Feb. 2024 – Present

*Ontopical*

Calgary, AB

- Design and maintain distributed microservices using Flask, AWS (EC2, CloudFormation, Lambda, Batch, S3), OpenSearch, and PostgreSQL, processing millions of documents and videos for lead generation and classification
- Implement reinforcement learning into lead generation workflows to personalize user experience, significantly boosting engagement
- Improve security posture and SOC 2 compliance by implementing request validation middleware, permission checks, and secure magic link authentication
- Develop full-stack features such as lead updates and AI-powered outreach tooling using React, Flask, OpenAI, and Tailwind, enhancing UX and reducing lead engagement friction
- Integrate Ontopical's lead system with Salesforce and HubSpot using unified.to's OAuth2 passthrough API, enabling real-time lead sync and cross-platform visibility for enterprise clients
- Standardize CI/CD across repos with Bitbucket Pipelines and Docker, improving test coverage, linting, and deployment consistency

### Full Stack Developer

Jan. 2023 – Feb. 2024

*HV Logic Ltd.*

Calgary, AB

- Developed and maintained proprietary business and project management software using React, Node.js, and MongoDB
- Transitioned legacy software from monolith to layered architecture, leading to more agile and performant software
- Established and maintained Linux-based development and production infrastructure, ensuring robust and efficient operational pipelines

### 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 tooling solutions in Bash and Python to streamline team workflow and increase productivity
- Created asynchronous notification handling components for a WooCommerce payment plugin in PHP
- Developed an internal service for API testing, reducing technical debt

## PROJECTS & OPEN SOURCE CONTRIBUTIONS

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

- Developed a VS Code TypeScript extension with integrated commands, dynamic panels, and view containers to save, edit, execute, and inspect REPL content captured at breakpoints, with support for Python, JavaScript, and Bash

### Undici (Node.js HTTP Client) | *Javascript, HTTP(s) Protocol*

- Added documentation clarifying CORS behavior; contributed MemoryCacheStore event emitters

### FasterXML (Jackson-databind) | *Java, Javadoc, XML/JSON Tokenization*

- Added support for cloning ObjectMapper instances from a shared JSON factory, improving configurability in advanced JSON serialization scenarios

## TECHNICAL SKILLS

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

**Libraries/Frameworks/Protocols:** Flask, Node.js, Spring Boot, React, Next.js, Express, Mongoose, JUnit, Jest, Pytest, Unittest, Authlib, Web Protocols, Debug Adapter Protocol, OIDC, OpenAI, Scrapy

**Developer Tools:** Linux, Git, Github/Bitbucket, Vercel, Docker, Redis, MongoDB, AWS, OpenSearch, Maven, Gradle, npm, Auth0