

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

Software Developer

Jan. 2023 – Present

HV Logic Ltd.

Calgary, AB

- Develop and maintain proprietary business management software using React, NodeJS and MongoDB
- Establish and manage development and production infrastructure using tools like GitHub Actions, Docker and Microsoft Azure, ensuring robust and efficient operational CI/CD pipelines
- Perform end-to-end, unit and automated testing using Postman, Mocha, TestCafe and Jest, improving code maintainability, reliability, and coverage
- Implement coding standards and code quality assurance processes, such as formalizing and centralizing error handling and shifting focus from a monolithic approach to a layered one leading to more robust and performant software
- Conduct 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

PROJECTS

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

Oct. 2023 - 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

FasterXML Jackson-databind | *Java, JUnit, Javadoc, Maven*

Oct. 2022 - Nov. 2022

- An open source contribution in which I implemented a procedure to parse JSON entities to Java objects with accompanying JUnit tests
- Wrote and published Java documentation for implemented changes
- Opened pull requests which were successfully merged into the main repository, providing code to be used by 1M+ applications worldwide

Capstone | *Node.js, Express, Docker, MongoDB, React, MySQL, Redis*

Dec. 2021 – Jan. 2022

- A University of Calgary capstone project built under the supervision of Dr. May Mahmoud for my Software Engineering concentration
- Worked on a distributed team to create legal software utilizing React, Node.js, MySQL, Docker and Redis deployed in a Linux environment
- Participated in iterative requirements gathering and project scoping
- Wrote official user and programmer documentation for the product

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, PHP, HTML/CSS

Libraries/Frameworks: React, Node.js, Spring Boot, Flask, JUnit, Mockito, Django, Express, FasterXML, Mongoose, Mocha, TestCafe, Jest

Developer Tools: Git, Docker, Redis, MongoDB, AWS, Maven, Gradle, npm, Terraform, Jenkins