

Sam McClenaghan

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EDUCATION

University of Victoria

Bachelor of Science in Computer Science

Victoria, BC

Sept 2023 - April 2027

Bellerose Composite High School

International Baccalaureate Diploma Programme

Edmonton, AB

Aug. 2020 - June 2023

EXPERIENCE

Full Stack Developer, Intern

Leanpub

May 2025 - Dec. 2025

Victoria, BC

- Implemented book publishing in Ruby on Rails 8
- Worked on the Lexical Plain Text Editor for Markua. Implemented robust resource handling and syntax highlighting
- Modernized and wrote backend logic for the authors app

Software Developer, Intern

Trustscience

Nov. 2022 - Aug. 2024 (Summers)

Edmonton, AB

- Enhanced a file version control system leveraging JSON Patch, reducing operational costs by 15% and streamlining data handling.
- Spearheaded UI/UX modernization by implementing Vue.js 3 Composition API and serverless architecture, resulting in 45% faster client integration time
- Architected and implemented a microservices migration using DynamoDB and Elasticsearch, enabling real-time financial analytics and 3x faster data retrieval.

PROJECTS

Gitlytics | *Python, Flask, React, PostgreSQL, Docker*

June 2020 - Present

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

Simple Paintball | *Spigot API, Java, Maven, TravisCI, Git*

May 2018 - May 2020

- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

TECHNICAL SKILLS

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

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib