

Jamie Syme

Software Developer

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EXPERIENCE

Group Photo Inc — Backend Developer

April 2015 - November 2016

Group Photo is a startup building a media sharing platform, providing organization, privacy, and backup. Their launch is currently undisclosed.

- Prototyped backend and REST API in MeteorJS. This allowed us to nail down the core experience, iterate on design, and unblock the front-end developers.
- Achieved over 5x performance improvement between the time media was uploaded and when it was sent to the browser by transitioning to a C++ backend.
- Managed most other backend responsibilities, including unit tests, deployments with Ansible, Elasticsearch schemas, and documentation on Apiary.

PROJECTS

Minfo — Lightweight Status Hub for Linux

Minfo was created as a replacement for i3bar on my Arch Linux desktop.

- Clean C code with 0% CPU overhead during 99% of runtime
- Uses client/server architecture to allow configuration to be handled through existing hotkey daemon such as sxhkd

jamiesyme.com — Online Portfolio

- Written and deployed within a month of focused development
- Researched and utilized Atomic Design with React.js

EDUCATION

University of the Fraser Valley, Abbotsford — Bachelor of Science in Computer Information Systems

September 2013 - Present

Current GPA: 3.9

SKILLS

Languages: C++, C, JavaScript, Python (novice)

Tools: Git, Emacs with evil-mode, Ansible, Apiary, DigitalOcean

Libraries: Poco, ImageMagick, ZeroMQ, AWS S3 API, Jasmine, Mocha

Applications: Elasticsearch, Meteor, MongoDB, Node.js, Nginx

ACCOMPLISHMENTS

Code Design: Countless hours spent studying OOP, Composition, Entity Component Systems, and recently, Atomic Design.

Graphics Technologies: Researched and implemented rasterizers, ray tracers, and ray casting engines as hobby projects.

Parsers: Designed and implemented parsers for various context-free grammars, including JSON, XML, and SQL.