

Saahil Hamayun

www.saahilhamayun.com | +1 (514) 660-1472 | saahil.hamayun@gmail.com

EDUCATION

MCGILL UNIVERSITY

BENG IN SOFTWARE ENGINEERING

Dec 2018 | Montreal, QC

Faculty of Engineering

Minor Concentration Philosophy

DUBAI INTL. ACADEMY

INTL. BACCALAUREATE

May 2014 | Dubai, UAE

HL: Math, Physics, English Lit.

SL: Business & Mgmt, French B, Chem.

LINKS

GitHub:// [saahilh](#)

StackOverflow:// [saahil-hamayun](#)

LinkedIn:// [saahilh](#)

COURSEWORK

GRADUATE LEVEL

Human-Computer Interaction

Software Language Engineering

UNDERGRADUATE LEVEL

Algorithm Design

Computer Engineering

Database Systems

Functional Programming

Model-Based Programming

Operating Systems

Parallel Computing

Software Validation

Telecommunication Networks

SKILLS

PROGRAMMING

Over 5000 lines:

React • JavaScript • HTML

CSS • SASS • SCSS • Ruby

Rails • Git • jQuery • Java

Over 2000 lines:

Node / Express • Redux

Familiar Technologies:

Mongoose • SQL • nvm

npm • Webpack • Babel

HTTPS • NGINX • DNS

WebSockets

EXPERIENCE

LUX PM SOFTWARE | FULL-STACK WEB DEVELOPER

Dec 2019 – Apr 2020 | Vaughan, ON

- Worked on NextPine, an in-house MERN stack product management app
- Implemented messaging feature using a React-Redux (with hooks) frontend & Node (Express) REST API backend with Slack API WebSocket integration
- Deployed website to AWS EC2 VM instance with Route 53 for DNS config with separate instances & subdomains for both live and test environments
- Used Lighthouse to optimize codebase including, load times and accessibility
- Instructed junior developer in use of React & took charge of communications with remote senior developer for feature implementation
- Additional details: <https://www.luxpmsoft.com/nextpine.html>

MODD APPS | JUNIOR FULL-STACK WEB DEVELOPER

May 2017 – Aug 2017 | Montreal, QC

- Independently developed custom features for a Ruby on Rails-based application used to manage Shopify collections
- Created a task logging system to track and report changes to system, providing an automated change history & automated error tracking
- Developed black-box tests for methods & jobs to minimize regression risks
- Increased data retrieval speed for large product databases by caching entries originally stored on Shopify in a local SQLite3 database, reducing wait times when opening or refreshing webpages for larger collections

GAMS | SENIOR DESIGN PROJECT

Jan 2018 – Dec 2018 | Montreal, QC

- Created Graduate Attribute Management System (GAMS) for client at McGill
- GAMS automates engineering program analysis report generation, saving hundreds of work hours annually for the McGill Engineering Faculty
- Designed SQLite3 relational database for the application & implemented Node REST API endpoints to allow data storage and retrieval through the frontend

PROJECTS

JSX LITE | <https://git.io/Jvd2H>

2020 | Toronto, ON

- Developed custom jsx transpiler using Babel with validation using Jest unit tests
- Created online code editor that uses Babel standalone to perform a client-side code transformation allowing an easy demo of outputs produced
- Try: <https://jsxlite.saahilhamayun.com/>

PERSONAL WEBSITE | <https://git.io/JJvgO>

2019 | Toronto, ON

- Created portfolio website using Jekyll with SASS hosted on GitHub Pages
- Hosted personal projects on Vultr VM pointed to using NameSilo DNS servers with virtual hosting for subdomain routes using NGINX
- Visit: <https://www.saahilhamayun.com/>