Saahil Hamayun

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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

CLIENT PROJECTS

GAMS | McGill University
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

PERSONAL 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 responsive portfolio site using Jekyll & 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/