

SHYAM PANCHAL

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COMPUTER ENGINEERING


Summary of Qualifications

- Technical skills:
 - Programming Languages:** JavaScript, Java, Kotlin, C++, Python, PHP, Solidity
 - Frameworks, Libraries, and DBMSs:** React, Angular, Backbone.js, Node.js, SQL, MongoDB, ReactiveX
 - Development Tools:** Git, Bash, Docker, Firebase, Android Studio, AWS Lambda
- Experience in developing complex and dynamic mobile and web applications in an Agile environment
- Knowledge of OOP, data structures, and algorithms acquired through various courses and projects
- Self-starter that is always looking to learn something new from all situations

Relevant Experience

Software Developer

 Toronto, ON


 Sep. 2018 – Dec. 2018

Hubdoc

- Created and maintained web-scraping bots with **Node.js** that allowed nearly 5000 clients to automate retrieval of their financial documents and information
- Constructed new platform on company intranet for beta testing features before rolling them out to production web app using **Backbone.js**, **Express.js**, and **PostgreSQL**
- Simplified tracking of errors encountered by bots by adding new metrics to company intranet
- Experimented in running web-scraping bots concurrently in a serverless environment by using **AWS Lambda**

Software Developer

 Kitchener, ON

 Jan. 2018 – Apr. 2018

Canadian Tire Innovations

- Constructed retail web app on the Ethereum blockchain using **React**, **web3.js**, and **Solidity** to increase transparency between supply chain distribution agents
- Provided 100%-unit test support for retail web app by using the **Mocha** testing framework to write unit tests
- Programmed an Android application using **Kotlin** and a **Firebase** backend to accelerate delivery of Canadian Tire's merchandise by 70%

Projects

Lendify – EngHack 2018 Hackathon Winner (Solidity, Node.js, MongoDB, Bootstrap)

- Online platform to facilitate lending and borrowing of items and services
- Used Ethereum blockchain to create a contract and manage collateral payments throughout the exchange

Issue Tracker (Node.js, MongoDB, Angular)

- Web app inspired by JIRA that is used to manage and track programming issues from creation to resolution

Blockchain Mail Delivery (Solidity, React)


- Decentralized web app built on Ethereum to track mail and packages from the sender to the recipient

Chat Application (Android, Firebase)

- Android chatting application that features login system, friend requests, and conversations

Education

University of Waterloo

 Sep. 2017 – present

- Candidate for Bachelor of Applied Science in Computer Engineering
 - Relevant courses: ECE 150 (Fundamentals of Programming in **C++**), ECE 250 (Data Structures & Algorithms)

Interests

- Classical Music - Piano - Badminton - Puzzles - Board Games - Video Games - Food