

Pavithran Pathmarajah

SOFTWARE ENGINEER · FULL STACK

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Skills

Languages Node.js, Java, Python, React

DevOps AWS with Terraform, Bitbucket Pipeline Deployments & Testing

Frameworks Express with Node.js, React-Native on IOS, Spring with Java, AngularJS with Javascript

Experience

Full-Stack Software Engineer

Toronto, ON

OLLON

Oct. 2019 - PRESENT

- Successfully executed project by bridging communication gaps between developers and product owners, optimizing development, managing changing deadlines and by identifying and utilizing individuals' strengths within the team
- Optimizing and expanding on the feature set of a React-Native application, by streamlining component usage and overall load on the PHP server
- Lead developer in creating www.entuitive.com on the PHP WordPress platform; reduced overall development time and project size by 20% by creating a reusable React like modularized framework and working with clients to set expectations and prioritize functionality
- Architected a forms engine with MySQL and Node.js paired with a templated output system built in React for aggregated form results
- Architected a CMS system featuring multi-user access levels and a React Web App using Node.js Express and MySQL

Front-End Web Developer Intern

Toronto, ON

CASEWARE

Mar. 2018 - Aug. 2018

- Identified an optimization to reduce server requests by 50%, resulting in decreased bandwidth and system load
- Liaised between the User Experience(UX) and front-end development teams, ensuring capabilities and limitations to be mutually understood, resulting in an agile development environment with realistic project scoping and timelines
- Developed AngularJS components for the new Smart Engagements Platform Release, adding consolidation to the new web-port of CaseWare's keystone software product
- Consolidated an array of User Interface(UI) components into a new dynamic AngularJS component which reduced the overall development and testing time of UI related tasks; by having one component in place of 10 existing ones

Full-Stack Software Engineering Intern

Toronto, ON

JIBESTREAM

May. 2017 - Feb. 2018

- Reconciled the Android, iOS, and Web SDKs, resulting in a reduction of technical support inquires and strain on cross-platform application developers by ensuring a universal API is implemented across all the SDKs
- Prototyped a fully-automated quality assurance system with Node.js to test the data access and management layers as well as the SDKs to preemptively identify bugs, ultimately reducing workload later in the software life cycle
- Communicated technical info at cross-functional meetings in a succinct manner at varying levels of technicality
- Extensive involvement in the development of a Microsoft Graph integration with the existing Android, iOS, and web platforms providing navigation to meeting rooms and in-app room booking to increase versatility with Office 365

Education

B Eng. Software Engineering

HAMILTON, ON

McMASTER UNIVERSITY

Sep 2014 - Jul 2019

- Machine Learning Course: supervised and unsupervised models utilizing both types to create better models

PROJECTS & COMPETITIONS

First Place - Precision Agriculture System

HAMILTON, ON

McMASTER CUMULATIVE CAPSTONE PROJECT

Sep 2018 - Apr 2019

- Developed a competitive low cost product prototype to optimize farm resource usage, aiming to maximize yields by delivering useful field statistics and resource recommendations leveraging machine learning; Collecting sensor data using python3 on Linux, processed on a Java Spring Server; then presented via a responsive React Web App
WEB: cap.pavipath.com

Overall Winner | McMaster Human Centered Design Competition

HAMILTON, ON

Regionals | ACM International Collegiate Programming Competition

WINDSOR, ON