

# HEMAHARSHINI RAGUPATHY

SOFTWARE DEVELOPER

Greater Toronto Area, Ontario

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## EDUCATION

**Master of Science in Computer Science**

Lakehead University

Grade: 83%

July 2019

Thunder Bay, Ontario

## SKILLS

|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| <b>Programming Languages</b>    | : Java, C++, SQL                                             |
| <b>Mark-up/XML Technologies</b> | : Angular, HTML, CSS, JavaScript                             |
| <b>Tools and Frameworks</b>     | : Spring Boot, Hibernate, Maven                              |
| <b>Database</b>                 | : MySQL                                                      |
| <b>Version Control System</b>   | : Git                                                        |
| <b>Cloud Services</b>           | : AWS, Microservices, Pivotal Cloud Foundry (PCF)            |
| <b>Operating Systems</b>        | : Windows, Linux                                             |
| <b>IDEs</b>                     | : IntelliJ, Visual Studio, WebStorm, Spring Tool Suite (STS) |

## WORK EXPERIENCE

**Angular Developer Intern – Angular5**

Setter Capital Inc.

Toronto, Ontario

Aug. 2019 – Jan. 2020

- Proposed and took ownership on a project to develop a training module for community managers.
- Designed and implemented the user interface using HTML, CSS3, JavaScript and Angular 5.
- Used RxJs in compliance with Angular to implement API services on the front-end.
- Create storyboards, user flows, process flows and site maps to effectively communicate interaction and design ideas.
- Utilized Agile Methodologies (Scrum) to manage full life-cycle development of the project.
- Involved in Agile process, monthly Sprints, and daily Scrums to discuss the development of the application.
- Actively participated and provided feedback in a constructive and insightful manner during weekly Iterative review meetings to track the progress for each iterative cycle and figure out the issues.

**Graduate Assistant – Java, C++ and R**

Lakehead University

Thunder Bay, Ontario

Sept. 2017 – May 2019

- Tutored small groups of students focusing on specific parts of the coursework.
- Graded assignments, proctored tests, and provided grades according to university standards.
- Prepared lessons according to course outline to convey all required material and deepen student understanding of subject matter.
- Assisted faculty with clerical tasks such as copying papers, collecting assignments, and preparing materials for upcoming classes.
- Met the needs of students who required special attention using my interpersonal skills by planning and maintaining regular office hours so that they can communicate their concerns to me individually.

## **Programmer Analyst – Java, AngularJS, Microservices**

June 2016 – Aug. 2017

Cognizant Technology Solutions  
Chennai, India

- Involved in the complete SDLC (software development life cycle) of the application from requirement, analysis to testing.
- Worked in an agile environment, was responsible for developing the requirements and or enhancements that are targeted to a particular sprint that comprises two weeks.
- Developed custom component like design, Modules and Directives in Angular.
- Implemented AngularJS controller functions, service using Controller method to set up initial state of the object.
- Created single page application using Router component & performed validation using reactive forms, custom filters of AngularJS.
- Implemented the Project structure based on Spring MVC pattern using Spring Boot.
- Implemented Micro Services based Cloud Architecture on Pivotal Cloud Foundry (PCF) Platform.
- Used Spring Boot for developing microservices, REST to retrieve data from client-side using Microservice architecture and Pivotal Cloud Foundry (PCF) for deploying microservices.
- Used JIRA extensively to log all issues and track development status.
- Collaborated with performance engineers to enhance supportability and identify performance bottlenecks.

## **Software Developer Intern – Java, SQL**

June 2016 – Aug. 2017

HCL Technologies  
Chennai, India

- Developed a custom solution using SharePoint's out-of-the box features to aggregate lists of certain content type into one master list which enables projects managers to view the risks in the IT division in one view instead of going to the individual SharePoint sites.
- Concisely documented the custom SharePoint solution for future maintenance and support of the solution.
- Provided a wide range of technical tasks including clearing hard drive, backing up data.
- Performed migration of websites from one host to another.

## **ACADEMIC PROJECTS**

- **Design and implementation of low-cost IoT based Robotic Arm controlled by an Android application: Arduino, OpenCV, TinyDB and Android Studio**  
Lakehead University, Thunder Bay, ON  
Chess playing and chess piece detecting Robotic Arm with 6 DOF which is controlled by an Android application.
- **Web Application: HTML, CSS, JavaScript, PHP and MySQL**  
Lakehead University, Thunder Bay, Canada  
An online web-based health care management system for children, where the child's information is stored in a database where the patient/guardian of the child can fill online applications, book appointments, check the test results, find a practitioner, submit a review.
- **Fetching movie information from OMDb API – Angular 7, NgRx, Bootstrap 4**  
Developed the landing page which uses the API to get information on any movie, and present at least four of those fields from the JSON response to the page.