Srinath Natarajan

srinath@uoguelph.ca | (647)-831-3934 | Guelph, ON
www.github.com/sriyegna | www.srinatarajan.ca | www.linkedin.com/in/srinath-natarajan

Highlights of Qualifications

- Planned, designed, developed and maintained enterprise as well as personal software programs
- Experienced with FinTech as well as Mobile OS operations and solutions such as Flinks, Temenos T24, ROBOT, RIDE
- Experienced with Agile and Waterfall software development processes, as well as other software project management practices
- Ability to learn new languages and frameworks rapidly. Self-taught in HTML, CSS, JavaScript, SQL, Python, .Net Core. Picked up UXP in 2 months.

Skills

Methodologies: Agile, Test-driven development
Languages: Java, Python, C, C++, C#, HTML, CSS, PHP, JavaScript, SQL, .NET Core, Node.JS, XML, TypeScript
Frameworks: Angular, React, ReactJS, Bootstrap, JQuery, MS Identity Core, ROBOT, RIDE, edgeConnect UXP
IDEs: Visual Studio, Visual Studio Code, NetBeans, Eclipse, PyCharm, Android Studio
Operating Systems: Windows, Linux
Relevant Tools: Git, Jira, Jenkins, ServiceNow, Postman, SQL Server Management Studio

Education

Bachelor of Computing   Sept 2019 – Aug 2020
University of Guelph - Guelph, ON

- Coursework: Software System Development & Integration (84%), Structure and Application of Microcomputers (83%), Analysis and Design of Computer Algorithms (90%), Operating Systems (84%), System Analysis and Design in Applications (94%)

Information, Technology, Environment, and Engineering   May 2019 – Aug 2019
University of Toronto - Toronto, ON

- Coursework: Mobile Applications for Android Devices (100%), Web Development using Angular 7 and TypeScript (94%)

Computer Systems Technology – Software Development Diploma   Sept 2017 – Apr 2019
Mohawk College - Hamilton, ON

- Coursework: Programming in Java (85%), HTML & CSS (82%), PHP & JavaScript (92%), Software Quality & Testing (91%), Programming in .NET (83%), Object Oriented Systems (90%), Database Theory (92%), HTML5 & Mobile Web Dev (88%)

Employment

Software Development Student   2020
BlackBerry Inc, Waterloo, ON

- Planned, designed, developed, and tested monitoring software using React
- Utilized HTML, CSS, and JavaScript
- Utilized charting software such as Apache Echarts to display concise and reactive information to users
- Performed API calls to read data sets to plot using charting software
- Attended daily standup meetings with the development team
- Followed the Test-driven development model to ensure consistent stable functionality
- Utilized industry tools such as Jira

Application Developer – (Co-Op)   2019
FirstOntario Credit Union, Stoney Creek, ON

- Developed a banking website using a proprietary banking framework UXP utilizing HTML, CSS, JS, and rule-based operations within UXP, and ensured the website was compliant with Ontario Accessibility Standards using AODA tools
- Collaborated with major core banking provider Temenos and consulting firm Aspire Systems to address which platforms would be used for content management systems as well as database management
- Managed collaboration with offshore teams in the United Kingdom and India to ensure correct functionality of web services
- Co-ordinated with the marketing teams to ensure the content and verbage met FirstOntario standards

BB10 Test Prime/Software Test Specialist – Email Services – (Co-Op)   **2014 - 2015**
BlackBerry, Waterloo, ON

- Attended daily and weekly SCRUMs with Development and QA teams to learn about new defects, features, and discuss future roadmaps
- Provided training to offshore team members to analyze, verify, and log issues
- Delegated automated and manual testing to offshore team members and revised results to ensure optimum quality
- Discussed, designed, developed, and implemented automated and manual test cases
- Collaborated closely with Development teams to ensure new changes have been implemented and tested thoroughly
- Updated dashboards prior to software releases with pertinent information regarding status of Email Services
- Utilized industry tools such as Jira, Robot Automation Framework, Jenkins, and more to perform automation testing on devices

Software Projects

StockTracker   **June 2020**
Languages & Frameworks: Angular, HTML, CSS, Bootstrap, Python, MySQL, REST, AlphaVantage API

- Receives historical stock information from Alpha Vantage
- Displays recent data using graphs and tables
- Calculates linear regression line for 5, 10, 50, 100, and 200 days to approximate future values and plots it on the graph
- Performs mean revision calculations on stocks
- User can add stocks at any time and populate the database

MultiPh.one   **Feb 2020**
Languages & Frameworks: Angular, HTML, CSS, Bootstrap, .NET core, C#, SQL, MS Identity Core, REST, SignalWire API

- Users can request any number of unique personal Canadian or US numbers
- Users can send texts or receive inbound texts at any of their numbers
- Implemented a contact manager for users to add or remove contacts, that they can send texts to
- Implemented a phone manager for users to add new numbers, forward calls to a specific number, or release the number
- Uses SignalWire API to facilitate SMS usage
- Created to help users maintain their anonymity, or to verify accounts that require phone number verification

GPX Parser   **Dec 2019**
Languages & Frameworks: C, Node.JS, JavaScript, Bootstrap, HTML, CSS, FFI-Napi, XML

- Users can upload a GPS .GPX file or view any .GPX files already on the server
- Created a shared C library to parse GPX file for waypoint, route, and track data
- Uses Node.JS Express as webserver which utilizes C library using Node.JS Foreign Function Interface for N-API

Old School RuneScape Quest Calculator   **Jun 2019**
Languages & Frameworks: C#, REST

- Users can enter their levels and completed quests, or automatically populate levels using the RuneScape REST API.
- The application accounts for level boosts where applicable and will tell the users what quests they are eligible to attempt.

Emergency Services Locator   **Apr 2019**
Languages & Frameworks: HTML, CSS, PHP, JavaScript, SQL, Jquery, Bootstrap, Bing Maps API, OpenData API

- Users can view emergency services facilities such as police stations, fire stations, and hospitals in Hamilton region
- Users can toggle any of the three categories on or off, or locate the closest facility of any type using HTML geolocation
- Utilizes Hamilton's OpenData API to provide locations of services, and allows users to add new facilities
- Utilizes Bing Maps API to provide map data as well as directions

Pikaptcha   **Feb 2017**
Languages & Frameworks: Python, Selenium, REST, 2Captcha API

- Application to bypass Pokemon GO registration verification to automate account creation
- At the time of release, this was the only free script available resulting in 3000+ users and 86 forks
- Users could utilize 2Captchas service to automatically solve Google reCaptcha therefore requiring no user intervention
- Users could also complete the reCaptcha manually
- Application would verify accounts by logging into the email and opening the validation link