

Shehan Suresh

University of Waterloo Software Engineering Candidate 2021

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Technical Skills

| | |
|-------------------|---|
| Languages | JavaScript, Python, C/C++, SQL, HTML, CSS, PHP, Scala, Java |
| Frameworks | React, Redux, React Native, Django, Node.js, jQuery, Polymer, Selenium, Jasmine |
| Tools | Webstorm, PyCharm, Karma, Git, Perforce, SVN, Xcode, Android Studio |

Experience

National Instruments • Application Software Developer Spring 2017

Javascript, jQuery, Polymer, Node.js, Python, Django, HTML, CSS, Selenium, Jasmine

- Implemented new features for Multisim Live in an **Agile** team
- Completed **55** tasks, fixed **44** defects, wrote **41** unit tests and **7** automated selenium tests
- Independently established a **WebRTC signaling server** that manages **WebSocket** communication
- Codeveloped a **WebRTC library** that allows users to easily view and retrieve data from external devices
- Created a **Node.js server** that implements the OpenScope API protocol using the **REST API**
- Developed feature that allows users to share **embeddable circuits** in other webpages using iframes
- Corrected **Django migration scripts** to correct broken databases in the team

Brainweber • Software Consultant Winter 2017

React, Redux

- Independently developed **React** modules from scratch for IAS AuctionMaster web application
- Asynchronously updated web pages with effective use of the **REST API**
- Stored data using **Redux**, so that it can be retrieved across the application

Projects

Grades July 2017 - Present

React Native

- Produced a grade managing application for students that is supported on **Android** and **iOS**
- Stored data in **AsyncStorage** as a JSON object that is parsed and updated throughout the application
- **Dynamically** updated onscreen list items by mapping objects during state changes

Quizzlet November 2016 – January 2017

Java (GUI), MySQL, Swing, AWT Libraries and Access

- Developed a student and teacher friendly application that allows users to make and take quizzes
- Used **Swing** and **AWT Libraries** to create the graphical user interface
- Linked **Access Database** to dynamically store and manage data from quizzes

Education

University of Waterloo, Bachelor of Software Engineering (2A) 2016 - 2021

Sir Wilfrid Laurier CI, OSSD and International Baccalaureate Diploma (Top 10%) 2012 - 2016

Awards

1B Term Dean's Honours List (89.4% Term Average) 2017

1A Term Dean's Honours List (92.2% Term Average) 2016

President's Scholarship of Distinction and Nortel Scholarship 2016