

# ROHIT SANGARAJU



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<https://github.com/Slashin>



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## FULL-STACK SOFTWARE DEVELOPER

### SKILLS

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- Very Strong with **HTML, CSS, JavaScript (VanillaJS, ReactJS), jQuery and Node.js/Express.js, Babel, Webpack and RESTful API's**. Created multiple websites, web games and a Google Chrome extension.
- Good knowledge of **AngularJS, Angular 2+** and **Vue.js**.
- Proficient in full-stack development with **MERN** stack (<https://www.speakupapp.org>).
- Powerful database skills in both **SQL** and **NoSQL** platforms (**MongoDB**).
- Strong understanding of web tools, deployment methods and version control (**Azure, Firebase, AWS, Heroku, POSTMAN, JIRA, Git**)
- Great grasp of **Programming Logic, OOP principles, Machine Learning** concepts, **DS** and **Algorithms**.
- Strong working knowledge of **C, C++** and **Arduino C/C++**. Over 2 years of experience.
- Great **Java** skills (1 year experience). Self taught from prior **C++** knowledge and online sources.
- Working on improving strength in **C#, Python, PHP** and **mobile development**.

### ENTREPRENEURIAL PROJECT

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#### 2018-present

**SpeakUp** - <https://www.speakupapp.org> – CEO/Founder, Lead Developer

- Designed and Developed a speech-coaching web application using the MERN stack, Firebase and IBM Watson's "Speech to Text" API to help users improve communication skills and boost confidence.
- Launched application in alpha stage and received positive reviews from over 20 early testers.
- Looking for funding opportunities in order to further start-up.

### EXPERIENCE

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**Kenna – Full-Stack Web Applications Developer (Sept – Dec 2018)**

- ❖ Implemented a portal system for clients using HTML, CSS, JavaScript and LotusScript and built the entire backend data model using SQL within a strict deadline of 3 weeks.
- ❖ Programmed an efficient backend Web Crawler/Scraper API to parse through the <https://agro.basf.ca> website and it's 400 subpages (HTML documents and PDF's) with Node.js and Express.js.
- ❖ Developed a front-end search engine and made AJAX calls to scraper API to retrieve and present results to user.

**Geotab – Full-Stack Web Developer (Jan – Apr 2018)**

- ❖ Built 2 commercial-scale, websites from scratch ([www.neutralvehicle.com](http://www.neutralvehicle.com) , [www.geotab.com/careers](http://www.geotab.com/careers)) within 2 months
- ❖ Strengthened skills in both front-end and back-end web technologies including Javascript, JQuery, Angular 4, PHP and ASP.NET Core.

**Ontario Ministry of Health – Software Engineer (May – Aug 2017)**

- ❖ Assisted staff with data entry, quality assurance and coding tasks.

- ❖ Improved knowledge of WCF services, SQL Server, C#/LINQ, and server-side programming integrating a web form to replace the previous Excel spreadsheet method of accessing user input data.

## PROJECTS

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### 2019

#### **Toronto City Waste Lookup App** - <https://rohit-toronto-waste-app.herokuapp.com>

- Built a Waste Lookup app using React.js and the Toronto City Waste Wizard API within 3 hours for a coding challenge.

### 2018

#### **Dungeon.io**

- Programmed a real-time dungeon-crawler game for the ARM LPC1768 Microprocessor in C.
- Interfaced various hardware peripherals: LCD screen, joystick, potentiometer, LEDs.

### 2017

#### **JavaScript Web Games** - <http://rohitsangaraju.me/#Section3>

- Improved knowledge of object-oriented JavaScript by creating multiple web games including “Brick-Breaker”, “Snake” and “Connect 4”.

### 2016

#### **Lego NXP Blackjack-Playing Robot**

- Designed and constructed an autonomous “card-dealing” robot.
- Reinforced C++ knowledge and Robot-C skills through writing several non-trivial algorithms.

#### **“SelectNSearch” - Google Chrome Extension** - <https://tinyurl.com/y7haf3zr>

- Learned basics of creating a Google Chrome extension over the course of 20 hours, and programmed an extension allowing users to query selected text on various web platforms

### 2015-present

#### **Piezoelectric Vibration-Sensing Shoe**

- Won national and international awards for creating a “smart-shoe” device to aid the visually and audibly impaired.
- Strengthened C++ and Arduino skills through writing effective code and creating custom algorithms.
- Vastly improved communication skills while presenting project to experienced judges and non-experienced public visitors during regional and national science fairs.

## AWARDS

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**2018** Queens University Most Marketable Product Prize for InterPrep (Original Version of Speakup)

**2017** Waterloo Engineer of the Future Fund, \$1000 CAD prize

**2016** 1st place at Waterloo Enghacks Hackathon – “SelectNSearch”

**2016** Silver Excellence Medal at Canada Wide Science Fair and Gold Medal at Peel Region Science Fair

**2015** 1st place in “5 Minute Science Fair” hosted by George Washington University, \$2000 prize

## EDUCATION

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Candidate for Bachelor of Applied Science (BASc.) in **Honours Mechatronics Engineering**  
**University of Waterloo (2016-2021)**