

# Vigneshwaran Balasubramani

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<https://vicky310.github.io/my-portfolio/>

## Qualifications

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- Demonstrated history of working in **Java**, **Angular** and SDLC models for 2 years and 8 months
- Experience with developing applications using **REST APIs** and **MySQL**
- Familiar with building application using **React** and **MongoDB**
- Experience developing **Node.js** applications with REST and GraphQL based APIs.
- Experience working in **Agile** and **DevOps** teams

## Technical Skills

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**Programming languages:** C, C++, Java, Python, JavaScript(ES6+), Angular, React, Node.js

**Database systems / Query languages:** MySQL, MongoDB(with Atlas cloud), Firebase, GraphQL

**Version control systems:** GitHub, Bitbucket, JIRA

**Markup languages:** HTML5, CSS, Bootstrap, Angular Material Design

**Applications:** MS Office, Visual Studio code, Eclipse, IntelliJ IDEA, Jupyter notebook, Jenkins

## Education

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### Master of Applied Computing

University of Windsor, Windsor, Ontario

*September 2019 - Present*

### Bachelor's in Computer Science & Engineering

Panimalar Engineering College, Chennai, India

*August 2012 - May 2016*

## Experience

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### *December 2016 – July 2019*

**Software Engineer**, Accenture Services, Chennai, India

- Evaluated the operational feasibility of a problem description, analyzed the requirement, crafted solutions based on business requisite and developed software models

### **Accenture Diamond Client**

*December 2017 - July 2019*

#### **Technologies used – Java, Angular 6, MySQL**

**Role** – Backend and Frontend developer, Client interaction, Agile Team member

- Gathered data, performed analysis to migrate the legacy healthcare application to Java and Angular 6 with PrimeNG
- Developed logic of interactive questionnaire and state management to persist data on multiple interrelated screens using **ngRx/store** and **routing**
- Developed Web services using **Java** and covered the JUnit test cases
- Performed **REST API** modifications in Java and created JDBC connection with **MySQL**
- Responsible **Agile** team member demonstrating team work and enthusiasm

### **CIO Analytics Platform**

*December 2016 - November 2017*

#### **Technologies used - Hadoop, Big Data and Android**

**Role** - Ticket management, Job deployment, Client interaction, DevOps team member

- Multifunctional role with ticket management and client support
- Used Hadoop and Jenkins for server health management
- Followed Jenkins pipeline for job deployment

## Achievements

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### Zenith Award

June 2018

- Awarded by Accenture for meeting defined critical **deadlines** in a short span of time in the category of 'Young Champion'

## Academic Projects

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### Lets Talk Messenger

January 2020 – March 2020

#### Technologies used - MERN stack

- Developed front end using React and Express.js for session management
- Socket.io for creating a real time user communication
- Applied Material Design in React for Responsive web design
- Set up communication with React and **MongoDB**
- Performed load testing on DB and regression testing on the application
- Organized team meetings
- Documented reports

### Sci of Relief Web Application

October 2019 – January 2020

#### Technologies used - Angular 7 and Dialog flow API

- Developed front end for the application using Angular 7
- Training the Dialog flow Chatbot for virtual conversation
- Used Angular Material design and Bootstrap for responsive design across dynamic screens
- Built up unit test cases and worked towards increasing code coverage
- Organizing knowledge transfer sessions within the team
- Lead the team to meet defined milestones
- Communication with clients and documenting reports

## Personal Projects

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### Social blog

March 2020 – Present

#### Technologies used – Node.js, React, GraphQL, MongoDB

- A simple blog application which uses Socket.io for real time feed updates from simultaneous users.
- Used GraphQL for endpoint access to Node.js and to store and retrieve data from MongoDB

### Online shop

March 2020 – Present

#### Technologies used – Node.js, MongoDB

- An online shopping application built entirely using Node.js
- MongoDB Atlas is used for cloud storage of product and user data

### Burger Builder Web Application

December 2019 – March 2020

#### Technologies used – React, Redux, Firebase

- A single page application using Redux for state management
- Used Firebase to store user data and **cloud deployment**

### Lost in Separation

January 2020

#### Technologies used – React, Redux, Firebase

- A prototype built for WinHacks 2020 in 36 hours. The application runs on a cluster algorithm to connect users from different communities based on their location data. Firebase was used for deployment and storing user data

## Technical Involvement and Certifications

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- Tech blogger at Medium.com (Profile: <https://medium.com/@vigneshwaran.03.10>)
- WinHacks (March 2020)
- Google Developer Group events (February 2020)
- LinkedIn learning Node.js certification (February 2020)
- IBM Big Data and Node-RED certification (January 2020)
- Code to Win: Virtual Challenge (September 2019)