

## Divyarajalakshmi Natarajan

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### Objective

To obtain a Full Stack Software Engineer position that will utilize my experience in the area of Software Development.

### Technical Skills

- Client-Side Web Development: HTML5, CSS3, JavaScript, JQuery, AJAX, DOM, Responsive Design.
- Server-Side Web Development: Node.js, Java, PHP.
- Database: MySQL, Oracle, Mongo DB.
- Libraries/Frameworks: Bootstrap, Backbone.js, Angular.js, Ionic, React.
- Methodologies: Agile.
- Debugging Tools: Developer Toolbar(Firefox/Chrome/IE), Firebug, HTTP Watch.
- Operating Systems: Windows, Linux, OS-X.
- Version management: SVG, Git.
- Others: REST, MVC, Express.js, Performance optimization.

### Education

Santa Clara University, Santa Clara, CA.

**Masters in Computer Science and Engineering, Expected June 2017.**

Major GPA: 3.6 Overall: 3.46

Visvesvaraya Technological University, India.

**Bachelors of Technology in Electronics and Communication Engineering, July 2011.**

GPA: 3.5

### Experience

Frugal Innovation Lab – Santa Clara University, Santa Clara, CA, USA

2015-2016

#### **Full Stack Developer for Web sites and Mobile App**

- Developed Hybrid Mobile app and Web site for sparrow mobiles and Health Right 360
- Involved in Designing and styling for web pages and mobile app.
- Involved in analysis, designing, coding, testing and integrating client side with service side.
- Involved in creating the local notification of the app.
- Created database for web site and for the mobile app.
- Optimized user experience by re-styling according to client requirements.
- Refactoring code.
- Utilized HTML5, CSS3, Angular.js, REST API's, Mongo DB, Node.js for web site development and Ionic, Apache Cordova, REST, Node JS, Mongo DB for mobile app development.

Source Code: <https://github.com/divyaabilash/MyHealthApp>

Cognizant technology solutions – Bengaluru, India.

2011 – 2013

#### **Program Analyst – Full Stack Developer for Travelers Insurance.**

- Experienced in full life cycle of software development.
- Hands on experience in development and implementation of various web applications with N-Tier Architecture, MVC framework.
- Analyzed business requirements for the better understanding of it and to provide adequate support for developing it.
- Involved in preparation of effort estimation for tasks during sprint planning.
- Prepared of Technical designs document.
- Responsible for UI development.
- Developed and maintained event logger of the complete website which also included Site Speed and web application performance measurement and monitoring. Optimized and refactored code to adhere site speed guidelines
- Proficiency in the data structure and algorithms.
- Experienced in developing Web-Services using REST.
- Utilized test driven approach for coding and also performed unit testing and integration testing.
- Worked in Agile Scrum environment.
- Recognized for ability to work under tight schedules, efficient in meeting deadlines, good initiator, quick learner and excellent team-player with strong personal and group communication skills.

### **Graduate Projects:**

#### **Quiz Book:**

Develop online game whose topic is randomly picked for a day. Once a topic is picked, its should be same for a day in that particular browser.

Tech Stacks: **HMTL, CSS, Java Script, JQuery.**

Source Code: <https://github.com/divyaabilash/QuizBooks>

Hosted Website: <http://divyaabilash.github.io/QuizBooks/>

#### **Yelp Dataset Challenge:**

Develop an open source Java stand alone application like yelp which worked on close to 2 million records. The project had to retrieve the information from the database based on business or user selection search.

Tech stacks: **Java, Swing, Oracle.**

Source Code: <https://github.com/divyaabilash/YelpChallenge>

#### **Pin Me:**

A team of 4 had to build a website for posting local information as Events, Local gathering or sales. People who have created an account can get a real time update of the events that's posted and alerts about events if they have chosen to go.

I had to develop web pages and integrate web pages to backend service, develop backend services for event category selection and get the user posted events on the history page.

Tech Stacks: **HTML, CSS, JavaScript, Java and SQL.**

Source Code: <https://github.com/divyaabilash/MavenPinMe.git>

#### **The Web for M-lab:**

A team of 4 had to build a website. We built an open-source web-app for the diagnosis lab which had an account for lab assistant to create records of the patients and maintain records completely on the cloud instead of paperwork. The development also extends for a patient profile, where they can go and View/download their medical lab history.

I developed web pages and integrate web pages to the service of the backend, backend for getting test cases from the database while Searching for a test case and creating Test Case, and getting report while searching a particular report using report id.

Tech Stacks: **HTML, CSS, JavaScript, JQuery, PHP and MySQL.**

Source Code: <https://github.com/divyaabilash/DiagnosticsLab-Software>

#### **Online Student Portal:**

Develop a website, Student portal for universities. On this website, admin can log in and view the list of students who are enrolled to the university, deleted or updated details of the student.

Tech stacks: **Sinatra, ERB, Ruby, SQLite.**

Source Code: <https://github.com/divyaabilash/university-Student-portal->

Hosted Website: <https://divya-assignment4.herokuapp.com/login>