

## 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
- Others: REST, MVC, JSON, GIT, Express.js, Performance optimization.

### Education

#### Santa Clara University, Santa Clara, CA

Masters in computer science and Engineering, Expected **July 2017**

Major GPA: 3.6 Overall: 3.46

#### Visvesvaraya Technological University, India.

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

GPA: 3.5

### Hosted Websites:

- <http://divyaabilash.github.io/QuizBooks/>
- <https://divya-assignment4.herokuapp.com/login>

### Experience:

Cognizant technology solutions – Bengaluru, India.

2011 – 2013.

#### Program Analyst – Java Developer.

#### Travelers Insurance.

### Responsibilities/ Roles:

- Self-driven, versatile software engineer with experience in diverse set of technologies. **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 better understanding of it and to provide with adequate support for developing it.
- Involved in preparation of effort estimation for tasks during **sprint planning**.
- Preparation of Technical designs document.
- **Responsible for UI development.**
- Develop and maintain the event logger of complete website which also includes Site Speed and web application performance measurement and monitoring. **Optimize and refactor the code to adhere the site speed guidelines**
- Proficiency in **data structure and algorithms**.
- Experience in developing Web-Services using REST.
- **Test Driven approach of Coding**, Unit testing and integration testing.
- **Code reviews**
- Worked in an **Agile** Scrum environment.
- Worked with various database which includes **MySQL, Oracle, Mongo DB**.
- Experience with different repository/version management like **SVN, Git Hub**.
- Worked on different operating system like Windows 7, windows XP and Linux.
- **Ability to work in tight schedules** and efficient in meeting deadlines.
- Good initiator, quick learner and excellent team-player with strong personal and group communication skills.
- Ability and desire to learn, very flexible and adaptable. Can adapt to new software and processes quickly and efficiently.

**Tech Stacks:** Windows, Citrix, Java, HTML, CSS, YUI, MySQL.

**Graduate Projects:****Quiz Book:**

Develop online game whose topic is randomly picked for a day. Once 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>

**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 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 user posted event in the history page.

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

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

**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 cloud instead of paper work. The development also extends for 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 backend, backend for getting test cases from 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 login and view 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->

**HepCat:**

Develop Hybrid Mobile app for sparrow mobiles and Health 360 as **Full stack developer** in **Frugal Innovation Lab, Santa Clara university**. This app was developed to keep Reminders of Medical Appointments and Prescribed Medicals. The appointments and medicine reminder will be sent by coordinator. Once reminder is sent by coordinator, App gets feed, and sets reminder in mobile of Homeless or Low income group. According to time and date, reminder is popped and reminds person about scheduled appointment or medical drug to be taken.

The implementation is done using **Ionic, Apache Cordova , REST , Node JS, Mongo DB**

This project includes the development of the website too for the coordinator to send the reminders and pills refill. So the complete process will be automated without any human interference.

We are also developing the Internal website for Health Right 360.

The implementation is **HTML5, CSS3, Angular.js ,REST API's ,Mongo DB ,Node.Js**

**My role is to design and analysis, implement the functionally End-to-End both in website and Mobile app.**

Git link: <https://github.com/divyaabilash/MyHealthApp>