**Sai Manohar Yerra**

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**CAREER OBJECTIVE**

To obtain an entry-level position as a software developerin an innovative and challenging environment which would excel my skills and equally benefit the organization.

**EDUCATION**

Master of Science in Computer Science, UNC Charlotte, US May 2017|GPA: 3.8

Bachelor's of Technology, JNTU Hyderabad, India Apr 2014|GPA: 3.65

**TECHNICAL SKILLS**

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| --- | --- |
| Programming Languages | : Java, Typescript, C#, C++, COBOL, JCL |
| Web Development | : JSP, Node, PHP, HTML5, CSS, Bootstrap, jQuery, JavaScript, D3 |
| Web Services | : JSON, XML, Firebase |
| Database | : SQL/MYSQL, DB2, MongoDB, Oracle, Dynamo DB, PostgreSQL |
| Framework | : Spring, JPA, JSF, MVC, Angular JS, Hibernate, Ionic |
| Methodologies | : Waterfall, Agile-Scrum, Model Driven, Test Driven |
| Server | : XAMPP, LAMP, WebLogic, Tomcat, AWS Lambda, AWS Elastic beanstalk |
| Java Tools | : JUnit, JNI, Mockito, Maven, Gradle |

**PROFESSIONAL EXPERIENCE**

Worked as Associate Apps Developer in **United Health Group,** Hyderabad  **August 2014 - Dec 2015**

**Project: TOPS** (The Online Processing System) is a Java development team which develops web applications using **Spring** MVC framework. We developed a web application  [**www.guroo.com**](http://www.guroo.com/) which gives an insight of health care costs. We used Angular.js, Bootstrap, CSS, jQuery, JavaScript for front-end development, Jenkins as integration tool and JIRA as a project management tool.

**COMET:** Developed UI screens using **Angular.js**, jQuery, JavaScript, Bootstrap framework to manually process aDental claim and integrated with the Spring framework which helps in checking the claim status. Developed a claim processing API(**RESTFUL**) which would auto-adjudicate an inbound RX claim. We used **Oracle** as the database and **Springs** to build a REST API.

**RESEARCH EXPERIENCE**

Worked as Graduate Research Assistant in **UNC Charlotte** **April 2016 - August 2016**

**Project: Caged-Space** is an Ionic Project which alters the music in an app based on the proximity of estimote beacons. This application is generally in museums where a spectator visits an art and the music associated with the art is played in the app. It uses **Ionic 2** and **Angular2** for UI, **AWS Lambda** for deployment and **Firebase** to store the data.

**ACADEMIC PROJECTS**

**#Lets Chat (** Angular.js, Node, Socket.io, CSS, Bootstrap, Git**)** **October 2016**

This project is Single Page Application(**SPA**) which was developed using **Node.js** as backend and **Angular2** for UI. It uses Socket.io module of the node to create thread pools for concurrent messaging. This app helps customers to have a Group chat and know about active users in the group. This app was deployed in AWS using Elastic Beanstalk module: <http://lowcost-env.raecdiqw5w.us-east-1.elasticbeanstalk.com/>

# **Delay Detection** (JavaScript, D3, Tableau) **September 2016**

It is a business application which is useful to track the low-performance team in a company. It also easily identifies the number late clock-ins/per day by displaying results visually. It uses **D3**(JavaScript library), Html, CSS, SVG to provide intuitive design to end-user. It uses **tableau** to provide initial mock-ups to clients.

**#Rentz** (Spring, Hibernate, jQuery, JavaScript, Google API, CSS, Bootstrap, My SQL) **July 2016**

Rentz is a **Spring Boot** framework application with the concept of **Enterprise**. It allows travelers to login into the portal, search for available cars and book a car. This project integrates Google Sign-In and security features like **XSS filter**, SQL injection, hashing

**#Stock notify (Firebase, Google API, Android, Market Data API) April 2016**

It is a **firebase** application which sends a notification to the subscribed users when the stock rate exceeds the desired limit. It uses Google API to login through google credentials, Market data API to know the stocks and **firebase** cloud to store the data.

**#Show Time (PHP, jQuery, CSS, Bootstrap, My SQL) Jan 2014**

Show Time is a **PHP** based web application which helps the user to book movie tickets online. The user can browse various movies in charlotte area, filter them based on language and gives recommended movies based on ratings

#**Sleep Alarm** (C#, CmdMessanger, Arduino, PIR, piezo buzzer) **August 2014**

This project is used to alert a driver when he falls asleep during driving. Arduino triggers a buzzer when the drivers head tilts more than a certain limit. It uses **C#** as a programming language and CmdMessanger to communicate with Arduino.

**ACHIEVEMENTS AND VOLUNTEER WORK**

* Star award winner at **CodeGenie** (Coding Contest).
* Certified as merit in **Robowar** at Technozion-2k14 (NITW).
* Worked as a college representative for **PETA** (People for Ethical Treatment of Animals)