

Venkata Ramana

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EDUCATION

MS, Computer Science, University of Texas, GPA 3.58

Jan 2018 - May 2020

BE, Computer Science and Engineering, Anna University, GPA 3.35

Aug 2011 - May 2015

CERTIFICATIONS

Solutions Architect, Associate by **AWS**.

Foundation Level Software Tester by ISTQB.

Agile SDLC Professional by Accenture Technology Solutions.

TECHINICAL SKILLS

Object Oriented Programming

Python, Java

Databases

MySQL, SQL Server (Relational databases), Firebase (**NoSQL**)

QA and Test Automation

Selenium WebDriver, **JUnit**, JaCoCo, MC/ DC Testing

Web Services

AWS – S3, Route 53, Load Balancing, Auto Scaling

User Interface Technologies

HTML5, CSS3, Bootstrap 4, JavaScript ES6

Version Control and Tools

Git, JIRA, Eclipse, IntelliJ, Android Studio, PyCharm

EXPERIENCE

Software Developer Intern, Hoonuit, Inc.,

June 2019 - Dec 2019

- Identified and solved problems in a **Java** codebase which reduced rework of internal customers by **15%**.
- In an Agile environment, designed **ETL** pipelines to transfer data from an **MS SQL OLTP** database to an **OLAP** data warehouse.

Software Test Engineer, Accenture Technology Solutions

March 2016 - Dec 2017

- Collaborated with different teams to migrate data to newer up-streams which reduced query processing times by **37%**.
- Managed **QA** lifecycle of UI, Reporting and Database applications by executing SIT, Regression and Production tests.

PROJECTS

Parking Reservation (**Java**, JUnit, Selenium, Tomcat) – Full Stack Application with **Automated Test Framework**

- Led** a development team to design, build, test and deploy a Web Application using the **MVC** framework.
- Designed webpages using **JSP** and used **Servlets** to receive requests and retrieve data from **MySQL DB**.
- Achieved **93%** JaCoCo coverage and PIT- All Mutations Killed for back end testing using **JUnit**.
- Automated and reduced rework of front-end testing by using **Selenium** with SharedUIMaps.

Stock Monitor (**Python**, BeautifulSoup, HTTP, HTML, Regular Expressions) – **Python Web Scraper**

- Designed and developed an application to monitor, scrape and analyze stocks on a real time basis.
- Implemented **requests** library and **HTTP** protocol to connect and transfer data from a target website.
- Built **Regular expressions** to scrape the required data and used Python scripts to analyze the same.

Drum Kit (HTML5, CSS3, **JavaScript** ES6) – **Dynamic JavaScript Application**

- Developed a dynamic JavaScript website to generate drum strokes using mouse and keyboard events.
- Utilized **query selectors** to select HTML images and used locally stored files to create the sound effects.
- Utilized call back functions to **animate** and de-animate the website after a mouse or keyboard event.

File Exchange (**Python**, Sockets, HTTP, TCP/IP, Tkinter, PyCharm) – **Python Application**

- Developed a distributed system to allow multiple clients to upload and download files from a server.
- HTTP** protocol and **Sockets** were used to handle multiple connections and to serialize file transfers.

OWNERSHIP

- Project captain, Advanced Software Engineering, University of Texas.
- Treasurer, Mavericks Computer Network Society, University of Texas.