

Venkata Ramana Voddam Pudi Sankar

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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 **Amazon Web Services**.

Foundation Level Software Tester by ISTQB.

Agile SDLC Professional by Accenture Technology Solutions.

TECHINICAL SKILLS

Object Oriented Programming

Python, Java, Ruby

Databases

MySQL, PostgreSQL (Relational databases), Firebase (**NoSQL**)

Amazon Web Services

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

Web Technologies

HTML5, CSS3, Bootstrap 4, **JavaScript** ES6, **Ruby on Rails**

Automated Testing

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

Version Control and Tools

Git, GitHub, Jenkins, JIRA, IntelliJ, Android Studio, PyCharm

EXPERIENCE

Software Engineer I, **Cerner Corporation**

January 2021 – Present

- Successfully graduated **DevAcademy** which is Cerner's inhouse Software Engineering program.
- Designed, developed, tested and deployed **full stack** features in a Ruby on Rails application.
- Achieved **100%** test coverage by completely **unit testing** every user story developed using **RSpec**.
- Implemented best practices such as Unit testing, Code reviews, **Input validations** and **Version control**.

Software Developer Intern, **Hoonuit, Inc.**,

June 2019 - Dec 2019

- Debugged 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 unit testing using **JUnit**.
- Automated and reduced rework of front-end testing by using **Selenium** with SharedUIMaps.

Drum Kit (HTML5, CSS3, **JavaScript** ES6) – **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.

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.