

# Venkata Ramana Voddam Pudi Sankar

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## Passionate About

- Developing scalable, secure, fault tolerant web applications on the **AWS Platform** while ensuring cost-optimization.
- Building J2EE web applications and testing them using **Selenium WebDriver** and **JUnit** such that change volatility is minimized.
- Developing Object-oriented solutions for computational problems using Python.

## Technical Skills

- OOP Languages Java EE, Python, C, C++, C#, Rust
- Test Automation Selenium IDE and WebDriver, JUnit, JaCoCo, PIT Mutation Testing, MC/ DC Testing
- Cloud Computing Amazon Web Services- Lambda, Auto Scaling, Elastic Load Balancing, VPC, S3, EC2
- Databases MySQL, Microsoft SQL Server, Amazon Aurora (RDBMS), Google Firebase (NoSQL)
- Web Technologies JSP, Servlets, HTML, CSS, JavaScript
- Tools Git and GitHub, JIRA by Atlassian, HP Quality Center, Eclipse, Android Studio, Tomcat

## Certifications

**Solutions Architect**, Associate by **Amazon Web Services**. (AWS)

**Agile SDLC Professional** by Accenture Technology Solutions.

**Foundation Level Software Tester** by ISTQB.

## Professional Experience

**Software Engineer**

*Mar '16 to Dec '17*

**Accenture Technology Solutions**

- Successfully managed an **Agile Feature Team** while being a part of Bank of America-Merrill Lynch's Credit Risk portfolio.
- Ably migrated data to newer versions of up-streams using Tableau and **Netezza** which reduced query processing times by **37%**.
- Executed UAT, Regression and Production tests on UI, Reporting and Database applications using **MicroStrategy reporting (MSTR)** and **Tableau**.

## Education

**Master of Science in Computer Science**

*Jan '18 to Dec '19*

*The University of Texas at Arlington*

*GPA 3.57*

## Major Academic Projects

**University Parking Reservation System: A J2EE Web Application with Full Automation Test Suite.**

- **Led a development team** under Agile SDLC and by using **MVC** pattern, developed a J2EE Web Application using JSP and Servlets.
- Object oriented methods of requirement analysis using **UML artefacts** such Class and Sequence diagrams were used to break down high level requirements to System requirements.
- **93%** JaCoCo coverage and **PIT- All Mutations Killed** was achieved by using **Parameterized JUnit** tests for the backend whereas the frontend was automation-tested using **Selenium WebDriver** with **SharedUIMaps**.

**Conversion of class notes to MP3 files: A Server-less AWS application.**

- Developed an application where **Lambda**, **API Gateways** and **SNS** work in tandem to convert notes to MP3 files.

**Consistency models on Distributed Systems: A Python Application with GUIs.**

- Developed a **distributed system** where a server monitors clients for inconsistencies and rectifies them as well.

## Student Organizations

**Treasurer**, Mavericks Computer Network Society

*Jan '18 to May '18*