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

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

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 ***Exp. 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.
- **90%** JaCoCo coverage and **PIT- All Mutations Killed** was achieved by using **Parameterized JUnit** tests for the backend whereas the frontend was tested using **Selenium WebDriver** with **SharedUIMaps.**

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

- Users enter their text files on a website hosted in **S3** and this event draws a POST to an **API Gateway**.
- **Lambda functions**, triggered by API Gateways and **SNS**, store the notes in DynamoDB and pass it to AWS Polly.
- A second lambda passes the notes to Polly and once converted to MP3, updates the **DynamoDB** as well.
- The now MP3 files stored in a S3 bucket, is retrieved upon user requests via the same S3 website

Student Organizations

Treasurer, Mavericks Computer Network Society *Jan '18 to May '18*