SAI AMMILINENI

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PROFESSIONAL SUMMARY

- Results-driven software engineer with over 6 years of experience in **Python** and **Java** programming languages, specializing in QA and Automation in utilizing frameworks such as **UnitTest, PyTest, JUnit, TestNG** to deliver efficient and high-performance Testing .

- Skilled in front-end technologies including **HTML5, CSS3, JavaScript** and **TypeScript**, with hands-on experience in frameworks like **Django** and **Angular**.

- Deep understanding of database management systems, particularly **SQL** databases such as **MySQL, PostgreSQL,** and **MongoDB.**

- Experienced in utilizing **AWS cloud services**, including **EC2** and **S3**, and adept at **SCM** concepts like branching, merging, check-in/out, packaging, and releases.Well-versed in utilizing version control systems such as **Git and HG** to ensure efficient collaboration and code management.

- Strong knowledge of **Video domain (STB, RDK OS Smart TV, OTT Apps)** and Storage concepts with hands on experience in Storage devices, Virtualization (**VMware**) technologies.

- Cut down, time taken for new hires to become productive by revamping **training patterns**, leading in making team highly self-reliant, increasing productivity and adaptable for quick **business solutions**.

SKILLS

Programming Languages - Python, Java

Scripting Language - JavaScript, Typescript

Web Technologies - HTML, CSS, Bootstrap, Angular.

Databases - MySQL, PostgreSQL, MongoDB.

Operating System - Windows, Ubuntu, Linux, Unix.

Tools & Frameworks - UnitTest, Junit, Maven, TestNG, Django, Selenium.

SDLC - Agile, Waterfall.

SCM - Git, HG

Software Tools - Eclipse, Postman, Windows, MobaXterm, Terminal, VisualStudio.

WORK EXPERIENCE

Graduate Research Assistant   **01/2022 - 05/2023**

Texas A&M University – Corpus Christi, TX

- Collaborate with professors and staff to develop web applications using Python and Django framework for RecSports department.

- Spearheaded the implementation of automated testing for GUI components in web applications using Selenium and UnitTest Framework; increased testing efficiency by 40% and reduced error rates by 25%.

- Maintaining database of fusion application using MongoDB and MySQL and used Git for version control & JIRA for project management.
- Supervised and mentored undergraduate students, providing guidance on software development best practices and troubleshooting technical issues.

QA & Automation Engineer 2   **01/2019 - 08/2021**

Comcast – Chennai, Tamilnadu

- Developed and maintained cutting-edge software solutions to enhance video delivery process.
- Collaborated with cross-functional teams to develop high-quality software solutions, adhering to the STLC and SDLC processes.
- Led team in Initiating test constants features to reduce the rework for user tool and reduced the bug fixing efforts for testing teams using python UnitTest framework, reducing defects ratio by 35%.
- Created numerous scripts for reducing Performance testing on STB boxes and TV devices with python decreasing manual works by 50% in daily activities.
- Well-versed in various programming languages and frameworks, to build robust and scalable web applications for video automation team to increase productivity by 30% weekly for daily tasks.
- Collaborated on complex projects, including video-on-demand platforms, live streaming services, and content management systems.
- Actively participated in code reviews, working in multiple projects providing valuable feedback to peers.
- Experienced in working in agile environments, collaborating with stakeholders, and providing regular project progress updates In field of video technology.

Software QA Developer   **04/2017 - 12/2019**

Msystechnologies – Chennai, Tamilnadu

- Designed and implemented comprehensive development and test methodologies to unique requirements of storage solutions.
- As QA Developer, have demonstrated proficiency in utilizing automation frameworks and tools to streamline testing process and enhance productivity.
- Worked closely with cross-functional teams and actively participated in entire SDLC and STLC with industry-standard testing tools such as Selenium, JUnit, and Jenkins and implement CI/CD integration.
- Developed storage management applications, data protection mechanisms, and performance optimization tools.
- I possess deep understanding of storage protocols, including RAID, SCSI, Fibre Channel, iSCSI, and NFS.

EDUCATION

M.S: **Texas A&M University -** Computer Science Engineering   **08/2021 - 05/2023**
Corpus Christi, TX.

B.E: Sri MuthuKumaran Institute of Technology - Computer Science and Engineering   **04/2012 - 05/2016**
Chennai, Tamilnadu, India.