SAI AMMILINENI

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PROFESSIONAL SUMMARY

- Results-driven software engineer with over 6 years of experience in **Java** and **Python** programming languages, specializing in full stack development in utilizing frameworks such as **Django, Spring MVC,** and **Spring Boot** to deliver efficient and high-performance web applications.
- Skilled in front-end technologies including **HTML5, CSS3, JavaScript,** and **TypeScript**, with hands-on experience in frameworks like 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.
- Familiar with **DevOps** practices, including continuous integration and deployment pipelines. Experienced in containerization technologies like **Docker** and orchestration tools like **Kubernetes**.
- Followed the **12Factor app** or **S.O.L.I.D** principles to build highly scalable and maintainable software solutions in development.

SKILLS

Programming Languages - Java, Python

Scripting Language - JavaScript, Typescript

Web Technologies - HTML, CSS, Bootstrap, Angular, React

Databases - MySQL, PostgreSQL, MongoDB.

Operating System - Windows, Ubuntu, Linux, Unix.

Tools & Frameworks - Spring, Hibernate, Junit, Maven, UnitTest, Django, Flask, Selenium.

SDLC - Agile, Waterfall.

SCM - Git, HG

Software Tools - Eclipse, PostmanClient, Windows SCP, MobaXterm, Terminal, VisualStudio.

WORK EXPERIENCE

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

Texas A&M University – Corpus Christi, TX

- Collaborate with professors and staff and 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.
- 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.

Software Developer Engineer 2   01/2019 - 08/2021

Comcast – Chennai, Tamilnadu

- Developed and maintained cutting-edge software solutions to enhance video delivery process.
- Involved in SDLC, from requirement analysis to design, implementation, testing, and deployment.
- 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 40%.
- 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.