Sai Swaroop Naidu A
Full Stack Web Developer

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Experience Summary

- Having extensive 4.5+ experience in **Java** and **Python** programming languages, with a focus on full stack development.
- Strong understanding of object-oriented programming **(OOP)** concepts and design patterns, applying them effectively in software development.
- Proficient in developing robust and scalable web applications using Java frameworks like **Spring, Hibernate, and JavaServerFaces (JSF).**
- Expertise in Python web development, utilizing frameworks such as **Django** and **Flask** to build efficient and high-performance applications.
- Hands-on experience with front-end technologies such as **HTML5, CSS3, JavaScript,** and modern JavaScript libraries and frameworks like **React** or **Angular**.
- Experienced in designing and implementing **RESTful APIs**, ensuring efficient communication between client and server applications.
- Deep understanding of database management systems, including **SQL** and **NoSQL** databases such as **MySQL, PostgreSQL**, and **MongoDB**.
- Hands-on experience in writing Junit test cases using **JUnit**. Integrated Glowroot tool for Application performance management.
- Keen understanding of Design Patterns like **Singleton, Factory, DAO, DTO, MVC**.
- Having experience in **AWS** cloud services like **EC2, S3, RDS, IAM**.
- Extensive experience in **SCM** concepts: Branching, Merging, check-in/out, Labeling, Packaging, Baselines, and Releases.
- Familiarity with DevOps practices, including continuous integration and deployment pipelines with good command over containerization technologies like **Docker** and orchestration tools like **Kubernetes**.
- Hands-on experience with tools such as **SVN, Git, HG, Log4j, Maven, Junit, Model Mapper, Swagger**.
- Solid knowledge of **SDLC** processes, including requirements gathering, design, implementation, testing, and deployment.
- Integrated the **12Factor app** or **S.O.L.I.D** principles to build highly scalable and maintainable software solutions in development projects I have worked on.

Technical Skills

Programming Languages	Java, Python
Scripting Languages	JavaScript, Typescript.
Web Technologies	HTML, CSS, Bootstrap, Angular, React.
Databases	MySql, MS SQL, No SQL, MongoDB.
Operating System	Windows, Ubuntu, Amazon Linux.
Tools & Frameworks	Spring, Hibernate, JPA, Junit, Maven, Glowroot, Django,Flask,Selenium, TrueLicense.
SDLC	Agile, Waterfall.
SCM	Git, HG
Software Tools	Eclipse, NetBeans, Postman Client, Windows SCP, CLI, MobaXterm,Terminal, VisualStudio Code.

Work Experience

GRADUATE ASSISTANT, TEXAS A& M - CORPUS CHRISTI   **JAN 2022 – MAY 2023**

- Responsible for maintaining high computing servers for individual projects in a cloud
- environment and maintaining web applications of university & automate daily test cases.
- Maintained a tab on total resources, student workers who are part of the projects to maintain daily operations.
- Responsible for life cycle of tickets created by students to maintain bug free applications.

COMCAST INDIA, Chennai   **JAN 2019 – AUG 2021**

Client	: COMCAST USA.
Role	: Automation Java Developer 2
Environment	: Linux, Java, Spring MVC, Spring Boot,Python, Micro Services, TestNG, React, Angular, MonogDB, MySQL, PostgreSQL, NoSQL, Maven, GIT JUnit, Model Mapper,AWS.

Description:

This project is used for developing multiple tools which are used to perform the stress testing on set top boxes. To reduce the manual effort of the team we are developing the tools using java and python with back end as MySQL. We also have a separate tool for maintaining the database of the set top boxes along with their health check.

Responsibilities:

- Involved in developing multiple features in Automatics tool which performs the functionalities like stress testing, quick test, reboot, cdl and cleaning up the boxes.
- Involved in bringing up the test constants feature which reduces the rework for the tool users and reduces the bug fixing effort for development team
- Introduced the Crash Analysis feature in Automatics tool which will analyze the crashes in the set top box and automatically creates the tickets with information required for the developer to understand about the crash.
- Introduced Schedule Execution feature in Automatics tool which will execute the same script within a particular interval between given start time and end time.
- Involved in moving all the log4j dependencies due to recent security vulnerabilities of log4j jar
- Involved in fixing the security vulnerability issues in automation VM's.
- Worked on multiple micro services which supports the Automatics tool
- Created multiple Jenkins jobs for auto deployment of the micro services into virtual machines which saves time
- Involved in implementing webpa/dmcli methods in multi-threading using executors
- Working experience with postman tool for testing the micro service end points locally
- Involved in documenting Automation Tool in confluence.

MSys Technologies, Chennai   **April 2017 – Dec 2018**

Client   **:** HP NIMBLE
Role   **:** Tester and Developer
Environment **:** Windows 7, Linux, Unix, Java, Web Sockets, Angular, Python,Django,
                         Selenium,GIT, HG, HTML5, CSS3, JavaScript,MySQL, SQL, Docker.

Description:

I have contributed significantly to the development and maintenance of the HP Nimble GUI, a HP Nimble storage systems GUI. I have demonstrated proficiency in designing, implementing, and maintaining robust and scalable solutions, ensuring high-quality code and optimal performance, including testing GUI using selenium with Unit test framework.

Responsibilities:

- Involved in Web Socket communication.
- Involved in developing the Core Java Handler for client to server communication.
- Involved in developing the standalone java application.
- Involved in UI framework, AngularJS for front-end development.
- Participated in Agile/Scrum meetings (Trello).
- Used Git repository for application project.
- Involved in developing the Nimble GUI Designer tool.
- Involved in defect/bug fixes.
- Involved in writing the documentation for GUI functionalities.

Educational Qualification

- B.E (Computer Science and Engineering) from Sri MuthuKumaran Institute of Technology, Chennai in 2012-2016.
- MS (Computer Science Engineering) from Texas A&M University Corpus Christi, Texas in 2021- 2023.