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# SAI SWAROOP AMMILINENI

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## PROFESSIONAL SUMMARY

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- Results-driven full stack developer with over 6 years of experience in **Java** and **Python** programming languages, specializing in full stack development in utilizing frameworks such as **React, Angular, Spring MVC, and Spring Boot** to deliver efficient and high-performance web applications.
- Skilled in front-end technologies including **Typescript, JavaScript, HTML5, Bootstrap and CSS3**, with hands-on experience in frameworks like **React, Angular** and **Django**.
- Proficient in architecting **CI/CD pipelines** that integrate source control, automated testing, and deployment strategies to accelerate software releases.
- Deep understanding of database management systems, particularly **SQL** databases such as **MySQL, PostgreSQL, and MongoDB**. Proficient understanding of **SOAP** protocols and **RESTful API's**, with extensive expertise in **KAFKA, EJB, JPA** and **JSL**.
- Experienced in utilizing **AWS cloud services**, including **IAM, Lambda, S3, CloudWatch** and adept at **SCM** concepts like branching, merging, check-in/out, packaging, and releases.
- Well-versed in utilizing version control systems such as **Git & HG** to ensure efficient code management.
- Experienced in code **Migration, continuous integration** and **deployment pipelines** with familiar **DevOps** practices, in containerization like **Docker** and orchestration tools like **Kubernetes**.
- Followed the **12Factor app** or **S.O.L.I.D** principles to build highly scalable & maintainable applications.

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## SKILLS

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| • <b>Programming Languages</b> - Java, Python         | • <b>Tools &amp; Frameworks</b> - Spring, Hibernate, JUnit, |
| • <b>Scripting Language</b> - JavaScript, Typescript. | Karma, Jasmine, Maven, Snowflake, UnitTest,                 |
| • <b>Web Technologies</b> - Angular(v11& v14)         | Kafka, Mockito, Selenium, Playwright, Cypress.              |
| React, NodeJs, HTML, CSS, Bootstrap.                  | • <b>SDLC</b> - Agile, Waterfall.                           |
| • <b>Databases</b> - SQL, MySQL, PostgreSQL,          | • <b>SCM</b> - Git, HG.                                     |
| MongoDB.  | • <b>Software Tools</b> - Eclipse, Postman, Win SCP,        |
| • <b>OS</b> - Windows, Ubuntu, Linux, Unix.           | MobaXterm, Terminal, VisualStudio, Splunk, X-               |
| • <b>Lib:</b> Panda, Numpy, MobX, Ag-grid, RxJs       | Conf, PyCharm, Jupyter, .                                   |

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## WORK HISTORY

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### Graduate Research Assistant - SDE

JAN 2022 - MAY 2023

Texas A&M University – Corpus Christi, TX.

- Collaborate with professors to develop web applications using **React** with **python** for RecSports division.
- Utilized AWS services **EC2 & S3** to deploy and host web apps, resulting in **90% uptime** and ensuring seamless user experience.

- Maintained **1000+** students data(fusion app) using **MongoDB** with both **SQL & NoSQL** databases.
- Spearheaded the implementation of **automated testing** for **web applications** using **Jasmine** integrated **karma & UnitTest** Framework, increased testing efficiency by **40%** and reduced error rates by **35%**.
- Supervised and mentored **9 undergraduate** students, providing guidance on **software development** best practices and aiding to troubleshoot technical issues.

## Software Developer Engineer 2

JAN 2019 - AUG 2021

Comcast – Chennai, Tamilnadu, India

- Utilized **Java** to create a **backend microservices** architecture, resulting in a **25%** decrease in video buffering times. Implemented **React** with **Typescript** for **frontend** development, leading to a **15%** increase in user engagement and a smoother video playback experiences monitoring with **Kafka**.
- Leveraged Java Spring framework with **React, Angular** for frontend, resulting in a **30% reduction** in **application response** time and improved **user Interface** experience.
- **Led team** with end-to-end development of **3 major features**, resulting in a **25%** reduction in rework and **35%** decrease in bug fixing time, helping testing teams achieve **40% decrease in defect ratio**.
- Collaborated with cross-functional teams on **4 major projects**, contributing to the successful launch of a **video-on-demand** platform with **1 million+** active users.
- Conducted day-day code reviews, resulting in a **20%** reduction in post-release defects and Successfully integrated JUnit tests into **CI/CD pipelines** using Jenkins, achieving efficient code quality checks.
- Worked in **Scrum-based** agile environment, consistently delivering features every sprint and maintaining a **95%** satisfaction rate among stakeholders through regular progress updates.

## Software Developer Engineer in Test

APR 2017 - DEC 2019

Msystechnologies – Chennai, Tamilnadu, India

- Developed and Implemented **3** distinct testing methodologies to automate **85%** of test cases using Selenium and UnitTest, resulting in a **40%** reduction in the duration of regression testing.
- Employed full stack development technologies such as **Java Spring Boot** for backend and **React** for frontend to develop storage **GUI components** with the help of **Maven & Kafka** tool.
- Designed and implemented **2** storage management applications using python **RESTful APIs** using Spring Boot, resulting in a **30%** improvement in UI responsiveness with respect to storage components.
- Integrated Jenkins for automated build and test execution, enabling seamless **CI/CD integration** and reducing deployment failures by **35%**.
- Utilized AWS storage services, such as Amazon **S3** and **EBS**, to simulate storage environments, align with industry-standard protocols, enhancing compatibility and scalability.

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## EDUCATION

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**M.S: Texas A&M University** - Computer Science Engineering  
Corpus Christi, TX.

**08/2021 - 05/2023**

**B.E: Sri MuthuKumaran Institute of Technology** - Computer Science and Engineering  
Chennai, Tamilnadu, India.

**04/2012 - 05/2016**