

# SATYA SAI SIVA PRASAD TALAPUREDDI

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## PROFILE

Software Developer with extensive experience in software engineering, specializing in testing, troubleshooting, and providing tuning recommendations for SAP applications. Proficient in various software development and test methodologies, performance testing tools, data analysis, and visualization. Skilled in performance tuning of SQL queries, programming languages such as Python, Java, and ABAP, as well as JVM tuning techniques. Seeking opportunities to utilize expertise in cross-functional teams to characterize, debug, and improve system performance and scalability.

## EDUCATION

**Jawaharlal Nehru Technological University Kakinada | Kakinada, India** Jun 2017 – Jul 2021  
Bachelor of Technology in Electronics and Communication Engineering (Grade - 1st)

## WORK EXPERIENCE

**Clifton Trade Bathrooms Ltd | Manchester, United Kingdom** Oct 2023 – Present

### Software Developer

- Led performance assessment and optimization efforts for SAP applications, including those built on S/4 HANA.
- Collaborated closely with development teams to debug and enhance system performance and scalability on platforms like SAP BTP, AWS, and GCP.
- Conducted comprehensive performance testing and analysis for mobile applications, identifying and resolving performance issues.
- Deployed and managed performance testing environments efficiently using Docker and Kubernetes.
- Applied knowledge of algorithms and Big O-Notation to optimize application performance.
- Worked with stakeholders to define performance requirements and establish performance targets for new projects.
- Mentored junior team members on performance engineering principles and best practices.
- Presented findings and recommendations to management and stakeholders, showcasing excellent verbal and written communication skills.

**Atos Syntel | Bangalore, India**

Oct 2021 – Jul 2023

### Associate Consultant

- Collaborated with cross-functional teams to improve system performance and scalability for SAP applications.
- Developed and executed performance and scalability tests and benchmarks, leveraging tools such as LoadRunner Enterprise and JMeter.
- Conducted thorough data analysis and visualization to pinpoint performance bottlenecks and offer tuning recommendations.
- Designed and implemented a performance test automation framework to streamline testing processes.
- Provided expertise in SQL query performance tuning, optimizing database interactions for enhanced application performance.
- Contributed performance perspectives to architecture and design reviews, enriching complex engineering efforts.

- Integrated performance tests into continuous delivery pipelines, ensuring performance considerations throughout the development lifecycle.
- Developed and documented performance engineering principles, test strategies, and best practices.

**Triad Techno Services | Hyderabad, India**

**Apr 2021 – Oct 2021**

***Intern***

- Expertise in Java programming language and experience in building scalable, maintainable, and efficient applications.
- Extensive knowledge of front-end technologies including JavaScript, HTML, CSS, Angular, React, and responsive UI design principles.
- Involved in developing UI using Spring MVC framework JSP, JSTL, HTML5, CSS3, JavaScript, JQuery, AJAX, and Angular JS.
- Proficient in working with various databases, including MySQL, PostgreSQL, and MongoDB.
- Skilled in analyzing complex problems and developing innovative solutions to optimize performance and user experience.

## **TECHNICAL SKILLS**

- **Performance Engineering:**
  - Experienced in performance testing and scalability assessment.
  - Proficient in Loadrunner Enterprise and Apache JMeter for performance testing.
  - Skilled in identifying and troubleshooting performance bottlenecks.
  - Capable of providing tuning recommendations for system optimization.
  - Developed performance test automation frameworks to streamline testing processes.
  - Experienced in SQL query optimization and database performance tuning.
  - Familiar with JVM tuning techniques to enhance application performance.
  - Knowledgeable about algorithms and Big O-Notation.
- **Software Engineering:**
  - Proficient in Agile and Scrum methodologies for software development.
  - Skilled in Python, Java, ABAP, and C++ programming languages.
  - Understanding of software architecture and design principles.
  - Capable of debugging and troubleshooting complex software systems.
  - Expertise in version control systems, particularly Git.
  - Familiarity with various software development tools and environments.
  - Excellent verbal and written communication skills.
  - Creative and adaptable to new technologies.

## **ACHIEVEMENTS**

- Recognized for exceptional teamwork and communication skills, resulting in successful cross-departmental collaboration on a critical project.
- Contributed to developing a high-performance module, resulting in a 25% improvement in application responsiveness.

## **ACTIVITIES**

- Attended seven days of Special Camping Programs conducted by the **National Service Scheme** for cleaning the village and educating the people and their children about new technologies from 23rd October 2016 to 29th October 2016.
- Attended two days of Special Digital Summit '19 conducted by **Miracle Software System** for learning new technologies like Cloud, Cognitive, Blockchain, IoT, machine learning, and DevOps from 12th December 2019 to 13th December.