**Sai Sandeep Nangineni**Seattle, WA | [sai.nangineni@gmail.com](mailto:sai.nangineni@gmail.com) | (510)8079485 | [LinkedIn](https://www.linkedin.com/in/sai-sandeep-nangineni-17871b16b/) | [GitHub](https://github.com/sandy261099) | [Portfolio](https://sandy261099.github.io)

**PROFILE OVERVIEW**

Results-driven Software Engineer with an overall **2+ years** of experience, and a solid foundation in Computer Science showcasing proficiency in **Java, Spring Boot, API Development,** and **ReactJS**. Adept at **full-stack development**, **Agile methodologies**, and **SDLC**. Demonstrates strong critical thinking, problem-solving, and attention to detail, ensuring the delivery of high-quality solutions. Excels in communication and teamwork, fostering seamless collaboration in cross-functional environments.

**WORK EXPERIENCE**

**United IT | Software Engineer - Contract Position (January 2023 - Present)**

* Worked on designing and developing an E-Commerce ERP using **Java J2EE Technologies**, **JDK8**, **JDK11** features, **Spring Framework**, **React**, and **Node**, resulting in a **30%** improvement in user experience.
* Led the **API Development** using **Spring Annotations**, designed the database, established proper schema, and configured foreign key and primary key relations, optimizing database performance. Successfully hosted the application on **Netlify**, achieving a **25%** overall efficiency increase.
* Utilized **Splunk Dashboard** for log analysis, monitoring, and alerting. **Mockito**, **JUnit**, and **Postman** were used for comprehensive testing, ensuring a **15%** reduction in application bugs and enhanced overall system reliability, employing object-oriented methodologies in designing, developing, debugging, and code reviews.
* Played a pivotal role in the Software Development Life Cycle (**SDLC**) through active participation in stand-ups, stakeholder collaboration, and testing phases. Applied **Agile** (SCRUM) development techniques, leading to a **30%** increase in project efficiency and collaboration.

**Gayatri Projects Private Limited | Software Engineer Intern (October 2020 - August 2021)**

* Led the development of a statewide **Business Application** to process data from over **200** agencies, aligning with legislative mandates. Overcame the challenge of optimizing SQL queries for statistical reports involving **1 million records**, resulting in a **65%** reduction in processing time.
* Conducted a meticulous analysis of existing **SQL queries**, identifying and addressing bottlenecks. Restructured queries, optimized indexes, and minimized redundant operations to enhance efficiency. These optimizations led to a significant processing time reduction.
* Performed thorough **Unit and Integration Testing** to ensure seamless system functionality. Created comprehensive documentation detailing optimization steps and technical decisions for future reference, and deployed the application on **GitHub Pages** for seamless access.

**EDUCATION**

**Masters of Science in Computer Science •** California State University, East Bay, CA **(August 2021 - December 2022)**

Coursework: Web Systems, Object-Oriented Design, Information Security, Advanced Algorithms, Operating Systems Design

**Bachelor of Engineering in Computer Science •** Gokaraju Rangaraju Institute of Engineering and Technology **(August 2017 - July 2021)**

Coursework: Data Structures, Database Management Systems(DBMS), Object-Oriented Programming

**TECHNICAL SKILLS**

**Programming languages and Frameworks:** Java, Python, C, C++, JavaScript, Spring Boot, .NET

**Database management:** MySQL, PostgreSQL, MongoDB, Oracle, DynamoDB

**Web technologies:** HTML, CSS, React, Angular, Vue.js, Node.js

**Methodologies and Containerization:** Agile, Scrum, DevOps, Kubernetes, Docker

**Cloud technologies and Tools:** AWS, Azure, Google Cloud, Kafka, Jira

**ACADEMIC PROJECTS**

**MERN Stack Web Application | Reactjs, Express.js, Node.js**

* Conceptualized and designed a Farmer’s Club web application using the MERN stack, achieving a **30%** boost in user engagement. Provided statistical insights on crop yield growth, leading to improved member interaction.
* Integrated an e-commerce platform using **React DOM**, and **RESTful Web Services** resulting in increased apparel purchases. Implemented a **Role-Based Authentication system**, tailoring interfaces for distinct roles (member/non-member/admin).
* Improved and executed testing scripts using **Mocha** with **Chai assertions**, guaranteeing application reliability and performance. Ensured backend integrity through rigorous unit testing, resulting in optimal functionality and performance.

**Delivery Routing Application | Reactjs, Google Maps Platform**

* Developed a mobile application for delivery drivers using **React**, **HTML**, **CSS**, and **NodeJS** and optimized routes for multiple destinations reducing travel time.
* Leveraged **TomTom map SDK** for real-time traffic updates, resulting in a **20%** reduction in average delivery time. Expanded functionality to calculate routes for various transport modes, achieving a **15%** improvement in route accuracy.
* Enhanced default car route for efficiency, leading to an **8%** decrease in fuel consumption per trip, and deployed the application on **Heroku**.

**Serverless URL Shortener | AWS, JAVA, API gateways, DynamoDB**

* Spearheaded the development of a Serverless URL Shortener, achieving an impressive **10 milliseconds** of latency, enhancing user experience significantly. **React.js**, **HTML**, **CSS**, and **JavaScript** were utilized to seamlessly implement **GET** and **POST** methods, resulting in efficient short URL redirection and token value storage.
* Employed **NoSQL DynamoDB** for optimal storage of short and destination URLs, leading to a **30%** improvement in system performance and data management efficiency.
* Orchestrated a streamlined hosting solution on **AWS S3** bucket with Lambda functions, resulting in a fast redirection of shortened URLs and a **25%** boost in overall user satisfaction.

**CERTIFICATIONS**

**LinkedIn - Continuous Integration / Continuous Deployment for Cloud Native Java Apps - CI/CD Jenkins Pipelines (Aug 2023)**

**GreatLearning - Microsoft Azure Certification (Aug 2023)**

**HackerRank - Rest API and SQL Certification (June 2023)**

**FreeCodeCamp - Back End Microservices Development and APIs | NodeJS, MongoDB (Sep 2022)**

**Oracle - Database Design and Database Programming (June 2019)**