

SINGUPURAM VENKATESH

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Summary

Motivated and detail-oriented Full Stack Developer with practical experience gained through real-time projects exposure. Adept at contributing to all phases of the development lifecycle, from requirement analysis to deployment and maintenance. Known for strong problem-solving ability, quick learning, and effective collaboration within cross-functional teams. Committed to delivering high-quality, reliable solutions and continuously improving through new challenges and evolving technologies.

Experience

 **Techno Communications Global Pvt Ltd (GCS)** Hyderabad, Telangana
05/2024–Present

- Designed and developed scalable RESTful APIs using Java and Spring Boot to support high-performance backend systems.
- Implemented API integrations to enable seamless communication between front-end and back-end systems.
- Utilized Jenkins for continuous integration of build code and generation of test results.
- Managed version control using Git and collaborated with cross-functional teams through JIRA
- Worked with MySQL and PostgreSQL for database design and integrity and scalability.
- Enhanced UI and application functionality by integrating third-party components and optimizing application performance.

Projects

Project 1:

Project Name: eCRF

Domain: Medical / Clinical Research (HCV Virus Survey – Mexico)

Description:

An eCRF (Electronic Case Report Form) is a digital replacement for paper-based case report forms used in clinical trials. Researchers use it to collect and report patient data efficiently. By moving from paper to digital forms, clinical data can be securely uploaded to the cloud, shared in near real-time, and managed with higher accuracy. This solution helps medical device companies execute clinical studies faster, at lower risk, and with reduced costs.

Roles and Responsibilities:

- Designed and implemented RESTful APIs using Spring Boot to support secure data transfer.
- Developed and executed PostgreSQL queries for data updates, retrieval, and maintaining data integrity.
- Integrated Spring Data JPA for ORM-based database interactions to simplify backend logic and improve efficiency.
- Documented API endpoints and deployment processes for team collaboration and maintainability.
- Optimized backend performance by refactoring Java code and improving database query efficiency.

Environment: Java, Spring Boot, REST API, JPA, Git, PostgreSQL

Project 2:

Project Name: CMA–CGM

Domain: Data Migration / Logistics

Description:

Developed an AWS based archival and data migration solution for CMA–CGM, a global shipping and logistics company. The project involved migrating millions of records from traditional RDBMS to DynamoDB, designing scalable backend components, and enabling fast search, filtering, and bulk data downloads through a secure cloud–based interface. This solution improved efficiency in managing historical shipment and logistics data while ensuring high availability and performance.

Roles and Responsibilities:

- Analyzed metadata structures and designed DynamoDB schemas to support large–scale data migration.
- Created PostgreSQL tables and corresponding entity classes to manage relational data effectively.
- Refactored the DAO layer using Spring Data JPA for optimized ORM performance.
- Developed RESTful APIs for document archiving, retrieval, and backend data access.
- Collaborated with frontend teams to ensure seamless API integration and data flow.
- Managed deployments on AWS using CloudFormation, Docker, and Jenkins, ensuring reliable and automated releases.

Environment: Spring Boot, JPA, REST API, PostgreSQL, AWS (S3,SDK v21), Docker, Jenkins.

Education

Andhra University Bachelor of Computers	Vishakhapatnam, India GPA: 7.0
Govt. Junior College Intermediate	Vizianagaram, India GPA: 7.7
Z P High School Secondary School Certificate	Bobbili, Vizianagaram GPA: 7.3

Skills

- Languages: Java 8/11, JavaScript, HTML, CSS
- Technologies/Frameworks: Spring & Spring Boot
- Maven, Git, Postman, PostgreSQL, Eclipse, VS Code, Experienced in CI/CD workflows and containerization.
- Other Tools: M.S Excel (Advance), M.S Word.