Tejaswi Garimella
Masters in Software Engineering

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★ Career Objective

Passionate software engineer aspiring to contribute innovative solutions and technical excellence in a dynamic role. Seeking a challenging environment to apply my skills and enthusiasm, fostering continuous learning and growth.

👤 Profile Summary

- Goal-oriented engineer with **8+ years** of experience in software development.

- Skilled in crafting, building, and sustaining scalable software solutions while adhering to fundamental **software engineering and SOLID principles.**

- Full Stack Developer adept in using **React.js**, Node.js, JSON**, GraphQL MySQL** and **PostgreSQL** for seamless client-server integration, delivering scalable and **user-friendly** web applications

- Implemented **microservices** architecture using **Docker, Kubernetes** for containerization, and used diverse tech stack (**TypeScript, JavaScript, Node.js, Redis**) for efficient inter-service communication via RESTful APIs and message queues.

- Worked with diverse cloud platforms, including **AWS** and **Azure**, for scalable and reliable application hosting.

- Demonstrated capability to troubleshoot and resolve intricate issues using **ELK(Elastic and Kibana) stack** promptly, ensuring the smooth operation of software.

- Proficient in using **Git** for version control, facilitating efficient code collaboration and tracking changes across projects.

- Contributed as a collaborative team member in an **Agile environment**, adhering to Test-Driven Development (TDD) practices using Mocha/Chai & **Jest** framework, ensuring timely continuous cross functional integration.

- Experienced in deploying APIs with CI/CD pipelines using **Jenkins**.

- Committed to continuous improvement, I consistently assess project processes to boost efficiency. My excellent **communication skills** ensure clear articulation of project goals and timelines.

🖥 Tools & Computer Skills

🗂 Framework	🗄 Database	Cloud	📋 Testing	Programming Languages	Other Tools
- Node JS - React JS - Graphql - Express JS - TypeORM	- PostgreSQL - MySQL - Redis(caching)	- AWS - Azure - Google cloud platform	- Jest - Mocha/Chai - Manual - Postman	- JavaScript - Typescript - HTML	- Kibana - JIRA - Bit Bucket - Jenkins - Visual studio - Eclipse

💼 Professional Experience

🏢 *Apollo healthCo Ltd., Hyderabad, India.*

💼 Senior Software Engineer   March 2020 – November 2023

Project: Apollo247

- Designed and developed user friendly & optimized cart checkout page that increased application usage and order purchases by 40 % (statistics: 2021: orders at 1000s per day 2023: orders at 40k per day)

- Enhanced UI experience by implementing critical features on the cart page and addressing bugs through the design system of the **React UI** library.

- Incorporated **GraphQL** to query essential fields from backend for various functionalities on the frontend.

- Revamped security of web application by minimizing hacker attacks from 5% to 2% by adding **fraud detection module** and **auth** module using **JWT** for patient critical info APIs developed using **typescript**.

- Using azure functions, successfully deployed callback responses using **Azure Functions** for the payment's module (Example: payments module is triggered through azure function once the order is created)

- Transported messages to queue which were to be consumed by other verticals using **Azure Service Bus.**

- **Migrated** the services hosted on azure cloud to **Google Cloud Platform** in sequential and parallel methods based on the criticality of modules.

- Leveraged **React** and React **DOM library** to craft product pages and user workflows, constructing components iteratively.

- Implemented **PostgreSQL** databases with **TypeORM**, optimizing data management and enhancing system performance.

- Worked closely on monitoring and controlling errors through **Kibana logs** by setting up alerts based on criticality.

- Implemented **Redis cache** at various modules for less latency and quick response time where customer interactions are high to provide seamless transitions.

- Created and maintained various types of documentation within **Confluence spaces**. (Like: Technical, Requirements, knowledge base documentations)

- Developed Integration & Unit Test cases, incorporating function mocking and assertions to guarantee robust functionality and seamless integration of front-end and back-end components using **JEST**.

- Collaborated actively in **Agile discussions** with product owners, business analysts, and designers. Mentored a 7-member team on improving internal application flow and coding standards through KT and **code reviews**.

🏢 *Synechron Technologies Ltd., Pune, India.*

🪪 Associate Software Engineer   October 2018 – March 2020

   Client: **Asurion, Japan**

- This project centers on allowing customers to book services for various consumer electronics devices across the Asia-Pacific region, accessible through both mobile and web platforms.

- Deployed modules/APIs developed with Node js and GraphQL using **AWS Serverless Lambda** for efficient hosting.

- Implemented batch processing through **AWS S3** to facilitate efficient and secure data exchange with various regional clients and worked with MySQL database hosted on **Amazon RDS**

- Skilled in utilizing **Postman** by creating robust test suites to ensure the reliability and functionality of RESTful APIs

- In response to demand fluctuations, particularly during peak hours, **Amazon EC2** instances are utilized to efficiently scale compute capacity. Additionally, these instances are employed for the creation of additional testing environments.

- Incorporated **Elastic Load Balancing** (ELB) to evenly distribute incoming traffic among multiple instances, guaranteeing both high availability and fault tolerance.

🏢 *Wipro Technologies Ltd., Pune, India*

🪪 Project Engineer   August 2015 – October 2018

   Client: **TD Bank, USA.**

- Played a key role in **transitioning** services from **SOAP-based web** services to **REST APIs**, resulting in a significant performance boost.

- Created new APIs that provide **JSON** responses for locating customers and fetching their details, previously in a format comprehensible to the FIS backend and verified the response through **Postman**.

- Engaged in the development of unit and integration test cases using **Mocha** and **Chai**, ensuring a minimum code coverage of 75%.

- **Documented** the requirements, technical solution and test cases for each API, accompanied by test case reports across multiple environments.

- POC- Developed API from FIS to Rest using REST connector with TD modules and achieved signification increase in performance with minimum latency of API.

🎓 Education

   Masters in Software Engineering - **2010-2015 - Vellore Institute of Technology, India.**

ⓘ Miscellaneous Information

   Languages Know   **:** Telugu, Hindi, English
   Canadian Visa Category   : Permanent resident