Sridhar S M
Software Developer

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EDUCATION

Visvesvaraya Technological University   **Bengaluru, KA, INDIA**

Bachelor of Engineering in **Electronics and Communication** | *SJC Institute of Technology* **April 2016 - May 2020**
CGPA:**7.66**

PROFESSIONAL SUMMARY

Over 3 years of expertise in designing and delivering responsive, high-performance UI components with Angular and Node.js, improving user experiences in the payment's domain (***TCS BaNCS Payments***).

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, HTML5, CSS3, SQL, ES6+, REST APIs

Frameworks: Angular 8+, Bootstrap, Node.js, Express.js.

Databases: PostgreSQL, DB2, PgAdmin, MongoDB.

Operating Systems: Windows, Mac OS, Linux.

Scripting & Automation: Shell Scripting, Batch Scripts.

API Interaction & Testing: Postman, SoapUI, Swagger UI, RESTful API, JSON.

Libraries & Tools: jQuery, Angular Material, Material-UI, RxJS, NgRx.

Version Control: Git, GitHub.

Testing & Debugging: Dev Tools, Console, Eclipse.

Development Tools: Visual Studio Code, Eclipse, SQL Developer, MySQL Workbench, MongoDB Compass.

Collaboration Tools: Jira, TCS Mastercraft Dev Plus.

Development Methodologies: Agile, Scrum, Waterfall.

WORK EXPERIENCE

System Engineer | *Tata Consultancy Services Pvt Ltd, Bengaluru* | *JAN 2024- Present*

- Built scalable and responsive Angular applications for payment processing systems, focusing on enhancing UI and ensuring accessibility (WCAG compliance).
- Deep functional knowledge of payment domains, including future-dated payments, domestic payments, international payments, and direct debits.
- Involved in both front-end and back-end development, writing business logic for financial transactions, ensuring efficiency and accuracy in **high-stakes payment systems**.
- Collaborated with cross-functional teams to integrate frontend components with **RESTful APIs**, ensuring seamless communication between frontend and backend.
- Successfully deployed a **Web Content Accessibility Guidelines (WCAG)** compliant micro-frontend application for financial transaction processing.
- Deployed web applications on Azure Cloud and managed various environments including **DEV, IAT, QA,** and **PROD**.
- Conducted usability testing and gathered stakeholder feedback to refine the UI experience.

Assistant System Engineer | *Tata Consultancy Services Pvt Ltd, Bengaluru* | **Dec 2021 -Dec 2023**

- Supported the development of user-friendly web applications by assisting in the design and implementation of UI components using Angular, focusing on enhancing usability and accessibility.
- Collaborated with developers to maintain and optimize the backend infrastructure, focusing on database management and transaction efficiency.
- Assisted in the documentation of system processes and user guides to facilitate knowledge sharing and onboarding of new team members.
- Participated in Agile ceremonies, including daily stand-ups ad to support project progress and ensure alignment

with team goals.

- Engaged in research and analysis of emerging technologies and best practices to propose enhancements for existing systems and workflows.

PROJECTS

Canadian Imperial Bank of Commerce (CIBC) Client | Dec 2021 - April 2024

During my tenure at CIBC, I was involved in:

- Developing and maintaining the UI for a large-scale banking system, which included creating **real-time payment solutions** with dynamic web pages and user-friendly forms featuring real-time validation and security checks.
- Developed and **integrated RESTful APIs using Node.js** to streamline communication between the frontend and backend, enhancing the efficiency of data flow and reducing response times for dynamic web applications.
- Implemented middleware solutions with **Node.js** to handle authentication, authorization, and session management, ensuring seamless integration with frontend components and improved application security.
- Utilizing **Angular Material, Bootstrap, and custom CSS** for responsive web design, ensuring a seamless user experience across mobile, tablet, and desktop devices.
- Collaborating closely with product owners to gather and refine requirements, enhancing overall user satisfaction by **25%**.
- Conducting regular peer code reviews to maintain high standards of code quality and ensuring adherence to best practices.
- Managing deployments on **Azure Cloud** using JBOSS servers, which ensured high availability and scalability of applications.
- Leveraging performance optimization techniques like **lazy loading and code splitting**, resulting in a **20% improvement** in application performance.
- Implementing **WCAG 2.1-compliant features** to enhance accessibility for users with disabilities, leading to a **15% improvement** in the application's usability score.

Central Trust Bank -US Client | April 2024 - Present

Currently, I am working on:

- Developing the UI for the **Fed Now instant payment system**, where I contribute to Agile development practices and user story refinement during sprints and daily stand-ups.
- Collaborating with backend teams to consume **RESTful APIs asynchronously**, ensuring secure and efficient data retrieval.
- Streamlining UI processes to improve payment workflow efficiency, which has reduced transaction times by **10%** through optimized front-end logic and backend calls.
- Utilizing **Git for version control** and **Jira for task tracking**, enhancing team collaboration and ensuring timely deliveries.

Freelance Project: E-Commerce Website [*URL: https://angularwebapp-scart-v2.onrender.com*]

- **Technologies Used**: Angular 16, TypeScript, CSS, Angular Material, Bootstrap, Node.js, PostgreSQL.
- **Hosting**: Frontend hosted on Render, Backend services hosted on Render, Database hosted on Vercel.

Key Contributions:

- Designed and developed a responsive e-commerce platform with advanced UI components using Angular 16, Angular Material, and Bootstrap.
- Built **RESTful APIs with Node.js** for managing product data, user authentication, and order processing, leveraging PostgreSQL for database operations.
- Deployed and optimized the application on **Render** and **Vercel** for seamless performance and scalability.

CERTIFICATIONS

- Master Git and GitHub
- ES6 JavaScript: The Complete Developer's Guide
- Angular - The Complete Guide
- Advanced JavaScript
- HTML5 Essentials

ADDITIONAL INFORMATION

Languages: English, Kannada, Telugu
Achievements: TCS "Star Performer" award for problem-solving

DECLARTION

I hereby declare the information provided above is true to the best of my knowledge, and if given the opportunity, I would deliver the maximum effort that I could exhibit.

-Sridhar S M