

SURESH KUMAR VIJAYAN

Front End Developer

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SUMMARY

- Overall 6.5 years of software development experience in both Web and Desktop Applications.
- 4 years of hands-on experience in **Angular** development, spanning web application projects.
- Proficient in **HTML, CSS, JavaScript, and TypeScript** for web development.
- Experienced in building feature modules.
- Experienced in building interactive and responsive user interfaces using **Angular Material** and **Prime NG**.
- Skilled in converting Figma design files into functional and polished web applications.
- Expertise in implementing state management solutions such as **RxJS** for enhanced application performance.
- Accomplished in crafting **WPF** desktop applications utilizing **C#.NET**.

EXPERIENCE

Software Developer

Capgemini Engineering 2022 - Present Fundao, Portugal

- Developing user interface for Test runner application which helps to automate the test build run in different MPC's which will reduce 40% of testing timing in Jenkins builds. (**HTML, CSS, Bootstrap, TypeScript, Angular 14 Material, Bootstrap**).
- Worked on **lazy loading modules** which increased the test runner application performance 30%.
- Implemented Angular **Dependency injection** to enhance code reusability and maintainability.
- Integrate with backend APIs to fetch and display data, implementing asynchronous data handling and ensuring data consistency.
- Create reusable **Angular components, directives, and services** that encapsulate specific functionalities and enhance the overall application architecture.
- Daily maintenance of code, debugging issues and solving clients' problems.
- Developed Retrospective Dashboard which helps to team in sprint review meetings.
- Collaborate with backend developers, UI/UX designers, and product managers to achieve project goals within an Agile development environment.

Software Developer

Saipem 2020 - 2022 Chennai, India

- Developed user interface for SPECD- Smart Program for Energy and City Development.
- Optimized Proposal Process and reduce turnaround time by 70%.
- Developed User Interface for Smart City Proposal Application using (**HTML, CSS, Bootstrap, TypeScript, Angular 12**).
- Collaborated with business unit team members to design new application system to enhance requirements for Smart City Development Capabilities.
- I had the responsibility to train 4 people the front-end basics and helped them develop further.
- Revised, modularized and updated old code bases to modern development standards, reducing operating costs and improving functionality.
- Coordinated with Project Managers to develop dashboard using Power BI.

TECH STACK

Core Frontend Technologies

HTML5 CSS JavaScript (ES6+)

TypeScript

Frontend Frameworks

Angular 14

Frontend Libraries and Frameworks:

Bootstrap5 Angular Material jQuery

Prime NG RxJS NgRx

API Integration

RESTful API

Version Control & Collaboration

Git

Development Methodologies

Scrum Kanban JIRA

Server Side

C#.net (WPF) Tcl/Tk Excel VBA

CAD & CAE Technologies

CATIA SOLIDWORKS Hypermesh

CAD Development

CATVBA SolidWorks API HyperMesh API

INDUSTRY EXPERIENCE

Automotive ●●●●●

Oil & Gas and Energy ●●●●●

EXPERIENCE

KBE Engineer

Faurecia

📅 2018 - 2020 📍 Bangalore, India

- Developed feature modules for web application called **FIDES** (Faurecia Intelligent Design Engineering System) collaborated with Indian Institute of Science team. (**HTML, CSS, Bootstrap, TypeScript, Angular 9**).
- Achieved 10% reduction in measuring time by devising system to measure manufacturing process.
- Developed and implemented process flow improvement and standardization projects.
- Enhanced the product with innovative ideas which increase 30% in betterment of client process.
- Worked with multiple Scrum teams both internally and on-shore.
- Design Process Automation Development and Implementation to reduce production time and errors in deliveries using **C#.net (WPF)**.

Software Engineer

HCL TECHNOLOGIES (FORD)

📅 2016 - 2018 📍 Chennai, India

- Developed CAD & CAE Tools customization using **C#.net** to automate manual FEA Process.
- Automated the manual data reconciliation process between the different sources, increasing the data accuracy and efficiency by 90%.
- Developing CATIA WPF Applications using **C#.net**.
- Coordinated with CAE engineers to evaluate and improve software and standardized engineering processes.
- Researched emerging CAD technologies and current trends to stay knowledgeable in methods.

Design Engineer

Unique Engineering

📅 2013 - 2016 📍 Chennai, India

- Design of Jigs and Fixtures for customer parts using CATIA V5 and SolidWorks.
- Supported engineering design development through of prototypes and 3D computer models.
- Developing SolidWorks Macros to automate simple repetitive tasks.

PROJECTS - FRONT END DEVELOPMENT

TEST RUNNER

- Test runner Application run our tests in the Builds which defined in Jenkins.
- With Auto Schedule Facility it will run our tests in multiple builds at a once and generate the test reports.
- Backend Integration with fastapi (python backend framework).

RETROSPECTIVE DASHBOARD

- Dashboard helps to identify the sprint escalations and increases the team coordination.

SMART PROGRAM FOR ENERGY AND CITY DEVELOPMENT

- Generate Proposal for implementing Energy grid in Green and Brown Field.
- Generate detailed report with dashboard for Smart City Development Planning.
- Calculates the cost of residence with green energy and aqua farm.
- Calculates the CAPEX & OPEX for configured renewable energies.

FIDES - Faurecia Intelligent Design System

- FIDES which helps us to auto calculate the design specifications according to customer requirement.
- Its helps us to reduce the proposal preparation time with 3D Prototype CAD Models to 50%.

EDUCATION

Bachelor of Mechanical Engineering

Info Insitute of Engineering

📅 2010 - 2013

LANGUAGES

English (Proficient) Telugu (Native)

Tamil (Native) Portuguese(beginner)

AWARDS



Innovation Award - Faurecia



Certification of Excellence - HCL Technologies