

# Thengarai Maharajan Subbiah

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## Experience

Programmer Analyst – Front-End Web Developer

Changing Constants (Sister Organization of SwiftAnt) | August 2022 – Present (2.9 Years)

- Developed responsive and cross-browser-compatible web applications using Angular framework, enhancing user experience and performance.
- Collaborated closely with backend teams to integrate REST APIs, efficiently binding data to frontend interfaces.
- Single-handedly designed, developed, and maintained numerous Angular projects, including end-to-end project lifecycle management from conception to production deployment.
- Ensured adherence to clean, scalable, and maintainable coding practices, proactively introducing efficiency improvements and best practices.
- Deployed applications in UAT and DEV environments via Azure DevOps pipelines and FileZilla, coordinated with QA/testing teams to ensure bug-free releases.
- Incorporated user and QA feedback, achieving measurable improvements in usability and performance metrics.
- Successfully implemented reusable dynamic component architecture that renders forms, tables, and dashboards based on real-time API inputs.
- Integrated Azure Communication Services for real-time video conferencing and chat functionalities within applications.
- Implemented OpenAI-powered chatbot solutions leveraging Azure platforms, automating responses to frequently asked questions and enhancing customer interaction.
- Converted legacy AngularJS projects to Angular TypeScript, significantly enhancing maintainability and performance.
- Optimized application performance through lazy loading modules, significantly reducing load times and server overhead by minimizing redundant API calls.
- Contributed innovative ideas, proactively volunteered for feature development, and implemented POCs leading to standout product enhancements.

Intern – Front-End Web Developer | Angular, TypeScript, JavaScript

SwiftAnt IT Solutions | April 2022 – August 2022 (5 Months)

- Built responsive, high-performance web applications using Angular and Bootstrap.
- Contributed to large-scale projects by developing reusable components and implementing modular architectures.

## Skills

JavaScript (ES6+), TypeScript, HTML5, CSS3, SASS, Bootstrap CSS, Tailwind CSS, Node, Angular 2+, Angular Material, JSX, React, Express, SQL, MongoDB, Object-Oriented Programming (OOP), RESTful APIs, Agile Methodologies, Dynamic and Responsive Web Design, Visual Studio Code (VSCode), GIT, Sourcetree, Postman, SonarQube

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## Personal Projects

[GitHub Portfolio](#) | [Project Demo](#)

- Chatbot [Angular , Google Gemini] - This AI-powered chatbot leverages Google Gemini API to provide intelligent, real-time responses to user queries.
  - Resume Builder [Angular , Google Gemini] - Built with Angular, Bootstrap, jsPDF, allowing users to generate professional PDF resumes dynamically.
  - Dynamic Components [Angular] -
    - Forms : Utilizes Angular reactive forms to generate form fields dynamically from API Response.
    - Tables : Utilizes Angular Material Table to generate data dynamically from API Response.
    - Dashboards : Utilizes High Charts Dashboard UI to generate data dynamically from API Response.
  - Image Detection & Manual Cropper [HTML, CSS, JS,Bootstrap, OpenCV] - A document scanning tool using OpenCV and edge detection algorithms.
  - Timeline Tracker [Angular , Google Gemini] - Developed using Angular & ExcelJS to track events and generate Excel reports for better visualization.
  - Financial Calculator [HTML, JS] - to compute investment growth and timelines
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## Certifications

- Responsive Web Design Certification – FreeCodeCamp (2024)
  - JavaScript Algorithms and Data Structures – FreeCodeCamp (2024)
  - Business English Certificate Preliminary – Cambridge English (2018)
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## Education

Bachelor of Engineering - Computer Science Engineering

Jerusalem College of Engineering (Anna University), Chennai

2017 - 2021

Higher Secondary Education

Seventh Day Adventist Matriculation Higher Secondary School, Hosur

2016 - 2017