

# SOWMIYA KRISHNAN

## SOFTWARE DEVELOPER

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### PROFILE

A highly skilled **Frontend Developer** with 4.4 years of professional experience in designing and developing responsive web applications using Angular (12+), JavaScript, TypeScript, and Elasticsearch. Possesses a strong foundation in creating dynamic user interfaces, integrating REST APIs, and optimizing UI/UX performance for seamless user experiences. Additionally experienced in UI designing and social media curation, bringing a unique blend of creativity and technical expertise to enhance user engagement.

### EDUCATION

**Master of COMPUTER SCIENCE** **2023 - 2025**  
*Annamalai University, Tamil Nadu*

**Bachelor of MATHEMATICS - First Class** **2017 - 2020**  
*Bharathiar University, Tamil Nadu*

### CERTIFICATE COURSES

- Web Designing Training [HTML, CSS, Javascript, PHP, MySQL, Photoshop]
- Typewriting (Tamil and English) - Senior Grade passed with First class with Distinction

### SKILLS

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|---------------|--------------------|-----------------|
| • HTML5       | • jQuery           | • Bootstrap     |
| • CSS3        | • Angular Material | • Rest APIs     |
| • Angular 12+ | • Springboot       | • TypeScript    |
| • JavaScript  | • Java             | • Elasticsearch |

### WORK EXPERIENCE

**Software Developer** **June 2022 - August 2024**  
*Sivisoft Solutions Private Limited, Chennai*

- Led the development and maintenance of Web Applications and Dynamic Forms, Improved performance and optimized user interfaces.
- Created Form.io-based dynamic forms and ECharts visualizations, enhancing functionality and achieving a 20% performance increase.
- Optimized Elasticsearch indexing and query performance, reducing response times by 90% and ensuring high availability through cluster management.
- Designed and implemented responsive UI using Angular Material components and Unit Tested the application to ensure the performance.

**UI Designer and Social Media Curator** **June 2020- June 2022**  
*Shalomooty, Ooty*

- Created comprehensive branding solutions for Shalomooty, including logo design, banners, pamphlets, and social media assets using Canva and Photoshop.
- Executed new social media strategies, amplifying brand presence and engagement, resulting in a 60% follower growth.

## PROFESSIONAL PROJECTS

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### Denver Health Medical Plan

March 2023 - August 2024

- Developed a dynamic web application using HTML5, CSS3, JavaScript, Angular 12, JSON, Bootstrap, and jQuery. Created interactive data tables with advanced filtering and sorting features, and implemented tabbed views for displaying patient medical records.
- Delivered a responsive, user-friendly experience through front-end optimization and modular design.
- Developed a user interface integrating REST APIs to enable advanced querying, Leveraged expertise in Query DSL, data indexing, and cluster management to optimize data insertion, updates, and object attribute management.
- Proficient in Painless scripting and runtime fields for seamless data analysis and externalization. Implemented performance optimizations through shard management, cache tuning, and efficient data ingestion.
- Worked on database migration from Cassandra to Elasticsearch using Java, ensuring efficient data transfer and integration for optimized search capabilities.

### Emerest

August 2022 - March 2023

- Worked on UI issue resolution using HTML, CSS, JavaScript, Angular Material, JSON, Apache ECharts and Bootstrap.
- Enhanced user interaction by implementing dynamic tabs and optimized data tables with filtering. Addressed and resolved UI issues identified by the Quality Assurance team to enhance functionality and performance.
- Utilized GitHub for version control and efficient code management, Jenkins for continuous integration, and JIRA for project management and issue tracking.
- Integrated Swagger UI for API documentation and deployed applications on web servers to ensure seamless production work-flows.

### ServiceDX application

August 2022 - August 2024

- Developed and integrated dynamic Form.io-based forms with validations into a web application for efficient collection and management of vaccination, education, and Ministry of Health details, ensuring data accuracy and streamlined user interaction.
- Developed a custom UI tool for creating, editing, and exporting column properties and dynamic data integrated with Elasticsearch indices.
- Reduced backend dependency by enabling seamless updates to data tables and chart tool-tips directly through the application. Improved efficiency and autonomy in managing dynamic data for web applications.

## PERSONAL PROJECTS

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### Personal Portfolio Website

8 November 2024 - 20 November 2024

- Description: Developed a personal portfolio website to showcase my skills, projects, and professional achievements.
- Technologies: HTML, CSS, JavaScript, Bootstrap, Fontawesome, Github.
- Link: [https://sowmiya-dev1.github.io/sowmiya\\_portfolio](https://sowmiya-dev1.github.io/sowmiya_portfolio)

### E-commerce Website

December 2024 - January 2025

- Description: Designing and developing an e-commerce platform for online retail.
- Technologies: HTML, CSS, Bootstrap, Angular 19, Typescript, Springboot, MySQL.