

MICHAEL MATHAN S

SOFTWARE DEVELOPER

CONTACT

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@Michael Mathan S

 Location

Chennai

TECH SKILLS

Programming Language:

HTML5, CSS, TypeScript, JavaScript, C#,
SQL

Frameworks & Technologies:

Angular 18+, Bootstrap, Angular
Material, Kendo UI, ASP.NET, RESTful
API Development, Ag Grid.

Database Management:

MySQL, Elasticsearch, Intersystem
Cache.

Tools & Platforms:

Azure DevOps, Logstash, Filebeat,
Kibana, Postman, Visual Studio, VS Code,
GitLab, Jira, Mirai, Grafana .

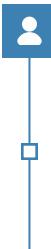
SOFT SKILLS

- Communication & Collaboration
- Problem-Solving
- Adaptability and Quick Learning
- Technical Documentation

LANGUAGES

- Tamil (Fluent)
- English (Fluent)

PROFILE



A skilled Application Developer with 4+ years of experience in Angular, TypeScript, .NET, and Web APIs. Proficient in developing SPAs with rich user interfaces using Angular 18+ and Bootstrap. Experienced in Agile methodologies, framework upgrades, and backend optimization with Elasticsearch and Logstash. Expertise in creating reusable components and ensuring application scalability. Skilled in integrating DevOps tools like Azure and GitLab for efficient project management. Passionate about delivering innovative solutions and staying updated with emerging technologies.



EDUCATION

Bachelor of Technology (CSE)

2017 - 2021

Periyar Maniammai Institute of Science & Technology
Thanjavur.

Allwin Higher Secondary School

2016 - 2017

Higher Secondary Certificate
Thanjavur.



CURRENT PROJECTS

JUN 2025 - PRESENT

TCS - ASML Validation Tools (AVT)

The ASML Validation Tool (AVT) streamlines validation and verification of product-specific information for 6p=P industrialization deliverables. It standardizes the NPI process, reducing iterations to a maximum of five and accelerating time to market. The tool provides real-time visibility into validation status, follow-up actions, and open issues while integrating with existing ASML systems like GRE, AIR, and Coach. By automating data flow and improving collaboration, AVT supports faster industrialization, enhances operational performance, and boosts customer satisfaction

Technologies Used: Angular 18+, JavaScript, HTML5, CSS3, Git, JIRA, Cypress

Role & Responsibility:

- As a Front-End Developer, I focus on delivering seamless, user-friendly interfaces by identifying and resolving customer-reported issues and optimizing existing features. I design and develop new UI components and screens, ensuring responsive layouts and consistent performance across browsers.
- I successfully migrated enterprise applications from Angular 18 to Angular 19 with zero downtime, improving compatibility, maintainability, and load efficiency. I also delivered multiple new screens and custom UI controls, enhancing both performance and user experience.
- Working closely with product managers, backend developers, and QA teams, I ensure timely, high-quality releases that align with business goals and technical standards. Recognized for consistent quality, proactive issue resolution, and on-time delivery in Agile environments.

EXPERIENCE



DEDALUS - Laboratory Information Management System (LIMS)

NOV 2021 - MAY 2025

LIMS (Laboratory Information Management System) is software that improves lab productivity by automating workflows and tracking samples, experiments, instruments, and QA/QC results. It helps manage data, efficiency, costs, and the entire lab process—from instrument maintenance to staff and consumables.

Technologies Used: Angular 14+, InterSystem Cache DB, HTML5, CSS3

Role & Responsibility:

- Designed and developed applications using the Agile Scrum methodology to ensure efficient project delivery.
- Actively participated in sprint retrospectives to improve processes and workflows.
- Created detailed technical requirements based on user stories for advanced features, programs, and modules.
- Identified and resolved complex software issues, delivering practical and effective solutions.
- Developed user interaction screens leveraging HTML, CSS, Bootstrap, and Angular 14+ for a rich UI experience.
- Migrated applications from Angular 12 to Angular 14 and further upgraded Angular 14 applications to Angular 18, ensuring seamless transitions and improved performance.



DEDALUS - Audit Viewer

JAN 2022 - NOV 2023

The Audit Viewer screen enables you to view the audit history of end to end workflow of laboratory orders & test results such as who have created, modified and the details that were modified. The Audit log pop-up screen helps track the changes made through out the application. You can view all the created/modified details.

Technologies Used: Elasticsearch, Filebeat, Logstash, Kibana, Web API, Angular 14, .Net.

Role & Responsibility:

- Upgraded Elasticsearch from version 7.16.1 to 8.9.1 and further to version 8.17.0, ensuring enhanced functionality and compatibility.
- Implemented Elasticsearch authentication to strengthen security measures and protect sensitive data.
- Configured and executed snapshot and restore procedures in Elasticsearch to enable efficient data management and reliable recovery.
- Leveraged expertise in Elasticsearch, Logstash, Filebeat, and Kibana to develop and optimize various professional applications.



DEDALUS - Job Scheduler

JAN 2023 - OCT 2024

The Job scheduler allows to configure/manage background job by scheduling date/time, repeating interval and parameter specific to web service. The job scheduler changes are audited and can be viewed in the Audit viewer screen. The scheduler created/modified in the LIMS application will reflect in the Master data ->Job scheduler and vice versa.

Technologies Used: Elasticsearch, Filebeat, Logstash, Kibana, Web API, Angular 14, .Net.



Role & Responsibility:

- Designed a process to retrieve data from the application, write it to JSON files, and pass the data to the Elasticsearch database.
- Configured Elasticsearch to fetch and display data in the Audit Viewer application, ensuring seamless integration and real-time data visibility.
- Developed automated monitoring and alerting mechanisms for Elasticsearch to track query performance and system health, ensuring proactive issue detection and minimizing downtime.



Declaration

I hereby declare that the information provided in this resume is true and correct to the best of my knowledge and belief. I understand that any false or misleading information may lead to the rejection of my application or termination of my employment if discovered later.

Place: Chennai
Tamil Nadu

S. Michael Mathan
(Signature)