



Sabapathy Kathiresan

Full Stack Developer

Experience – 14 years

09597415011, sabapathyk@outlook.com

<https://www.linkedin.com/in/sabapathyk/>

<https://github.com/sabapathygithub>



ABOUT ME

Have more than 12 years of experience working with Microsoft technologies such as .Net Core, MVC, C#, WPF, UWP, Xamarin, XAML, LINQ, Entity Framework, and SQL Server.

I have more than 2 years of experience working with Python, PyOpenGL, and PYQT framework.



Education

Electronics and Communication

Graduated - July 2010

Einstein College of Engineering, Anna University

Marks 74.5%

Tirunelveli, TamilNadu.



Career Highlights

- Experienced software professional who has 14+ years of combined experience in software development, software engineering, customer support, production support, team, and product management.
- Enthusiastic team leader who encourages and drives the team to achieve the quality and consistent product during all the phases of software development life cycle.
- Lead developer with a track record of incorporating stakeholder and business requirements into a cost-effective and user-friendly solution.
- Hands-on experience in developing enterprise level dashboard reporting tools using .Net technologies like XAML (WPF & Silverlight), MVVM, Angular, React JS, Web API, ADO.Net, EF Core, SQL Server.
- Hands-on experience in creating custom third-party controls in XAML technologies (WPF & Silverlight).
- Hands on experience in writing complex SQL queries, Stored Procedures and Triggers for SQL Server.



Professional Skills

Programming Languages : C#, Python, JavaScript, Typescript, Dart

Database : MS SQL Server, PostgreSQL, MySQL, Sqlite

Library/Framework : .Net, WPF, Angular, React, PYQT, Flutter

Cloud : Azure

CICD : GitHub, Jenkins, Tortoise Git, Gitlab

Architecture	: Microservices, n-tier/Monolithic, SOA
IDE	: Visual Studio, Android Studio, PyCharm, VS Code
Dev Tools	: Postman(REST API), pgAdmin
UI	: HTML 5, CSS 3.0, Bootstrap



Work Experience

Experience Summary

- Worked as Frontend Engineer in Nano Dimension Limited(Additive Flow-GIS Division) (Aug 2023 - Sep 2025)
- Worked as Intermediate App Developer in UPS (June 2023 – Aug 2023)
- Worked as Freelance Software Developer (April 2020 – June 2023)
- Worked as Senior Associate in Cognizant Technology Solutions, Chennai (August 2019 – Mar 2020)
- Worked on various roles including Technical Product Manager, Lead Developer and Software Engineer in Syncfusion Softwares Private Limited, Chennai (Apr 2012 - August 2019)
- Worked as Software Developer in Vibrant Healthcare Consulting & Services Private Limited (Aug 2010 - Mar 2012)



Projects

1. Additive Flow AME Digital Twin

Company	: Nano Dimension (Additive Flow-GIS Division).
Domain	: Additive Manufacturing
Technology	: WPF, C#, Web API, Caliburn.micro, Reactive Linq
Role	: Requirement Gathering, Design, Development, Testing and Deployment.
Duration	: Aug 2023 to Sep 2025

Synopsis

The additive manufactured electronics (AME) digital twin application transforms the design and production of electronic components by providing a comprehensive virtual representation of the entire manufacturing process. It allows manufacturers to simulate, optimize, and validate designs before physical fabrication, reducing risk and cost. This approach addresses critical industry challenges, including managing design complexity, accelerating time-to-market, and enhancing sustainability.

2. FormFlow

Company	: Additive Flow. (https://additiveflow.com/)
Domain	: Additive Manufacturing
Technology	: WPF, C#, Web API, Caliburn.micro, Reactive Linq
Role	: Requirement Gathering, Design, Development, Testing and Deployment.
Duration	: (May 2020 to June 2023) (Aug 2023 to Sep 2025)

Synopsis

The multi-functional program FormFlow is designed to apply multiple user-defined parameters for optimizing geometry, process parameters, and material simultaneously. By using physics-driven algorithms, the software processes and solves complex performance issues during the design phase. With FormFlow, you can produce optimally performing parts that are cost-effective, sustainable, and in minimal time.

3. Extraction Wizard and Processor

Client	: Michael Ira, Australia (Upwork)
Technology	: WPF, C#, React, Web API (.Net Core), EF Core, Azure Message Storage, RabbitMQ, Dapper, PostgreSQL
Role	: Requirement Gathering, Design, Development, Testing and Deployment
Duration	: Jan 2021 to June 2023

Synopsis

The Extraction Wizard is a data scraping configuration tool that enables users to define workflows for scraping data from various web pages for data processing purposes. On the other hand, the Extraction Processor is a data scraping processing tool that executes the workflows defined in the Extraction Wizard and extracts data based on a set schedule.

4. GeoLogik

Client	: AFRY (https://afry.com/)
Domain	: Construction & Surveying
Technology	: Python, OpenGL, PyQt5 UI framework, SQLite, Pandas, Numpy
Role	: Requirement Gathering, Design, Development, Testing and Deployment.
Duration	: Apr 2020 – Dec 2021

Synopsis

This application is designed to render PLY files that contain scanned 3D data. With this application, users can classify different areas by picking points or regions from the 3D model. This feature is especially useful for geologists who need to mark regions for surveying purposes.

5. GUSS

Client	: AFRY (https://afry.com/)
Domain	: Construction & Surveying
Technology	: Angular, Typescript, C#, ASP.Net Core Web API, EF Core, SQL Server
Role	: Requirement Gathering, Design, Development, Testing and Support
Duration	: Aug 2020 to Aug 2021

Synopsis

This application is specifically designed for cost estimation of tunneling and road construction projects. It enables the user to choose from various kinds of materials and instruments that are approved by the government, and accurately estimates the final cost of the project. Additionally, it generates a detailed report which can be directly submitted to the authorities for final approval.

6. Global Security Lending

Company	: Cognizant Technology Solutions. (https://www.cognizant.com)
Domain	: Banking & Financial Services
Technology	: WPF, C#, WCF & SQL
Role	: Requirement Gathering, Design, Development, Testing and Deployment
Duration	: Aug 2019 – Mar 2020

Synopsis

Security lending is a financial practice where securities are temporarily transferred from one party (the lender) to another (the borrower) in exchange for a fee. The borrower then sells the securities in the market with the expectation of buying them back at a lower price and returning them to the lender. This practice is typically used by institutional investors, such as hedge funds or pension funds, to generate additional returns on their investments. This application is used to handle such operations.

7. Syncfusion Dashboard Platform

Company	: Syncfusion Software Private Limited (https://www.syncfusion.com/)
Technology	: WPF, C#, Web API, SQL Server, HTML5, Typescript, PostgreSQL, SQLite
Role	: Requirement Gathering, Design, Development, Testing and Support
Duration	: Apr 2013 to Aug 2019

Synopsis

The Syncfusion Dashboard Platform is a comprehensive solution that offers end-to-end capabilities for creating, managing, and sharing interactive KPI dashboards. It is primarily designed as a data visualization and analytical tool that helps users identify key performance indicators (KPIs) using their own data. Additionally, the platform provides simple ETL (Extract, Transform, Load) functionality that can be used to prepare data for analysis and visualization.

8. Syncfusion Essential BI Components

Company	: Syncfusion Software Private Limited (https://www.syncfusion.com/)
Technology	: WPF, C#, XAML, LINQ
Role	: Requirement Gathering, Design, Development, Testing and Support
Duration	: Apr 2012 to Apr 2013

Synopsis

Syncfusion Essential BI Components is a reusable library that is part of the Syncfusion Essential Studio. These components help users with rapid application development in the business intelligence domain. The library contains main controls such as OLAP Grid, OLAP Chart, OLAP Gauge, and PivotGrid.

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge.