


# K SAMYNATHAN

 Software engineer

 Coimbatore,  
India.

## PROFESSIONAL SUMMARY

Experienced Dot NET developer with 3 years of expertise in C#, HTML, React, and related technologies. Skilled in designing scalable web applications and building efficient back-end solutions. Strong communicator and critical thinker, adept at translating business needs into technical implementations. Committed to delivering high-quality code with a collaborative and problem-solving mindset.

## EDUCATION

Bachelors degree in Electronics and Communication Engineering (ECE), ESEC,  
Thudupathi, Erode | CGPA: 6.6 / 10

## TECHNICAL SKILLS

### Front-end

- Html
- CSS
- JavaScript
- React
- TypeScript
- Razor

### Back-end

- C#
- Web API
- .NET Core
- Window Service
- PHP
- MySQL

### Tools/IDEs

- Postman
- VS
- Git
- SSMS

## WORK EXPERIENCE

### Internet testing system - Software Engineer

June 2022 to Present

#### 1. One Secure Browser

**Description** - One Secure Browser is a Windows-based application designed for online test-taking. It launches the test website within a secure environment, enabling candidates to complete their exams safely and without distractions.

#### Roles and Responsibilities:

- Developed reusable and highly secure Windows application. It is built using the .NET framework and C#, I was worked as Developer for this project. It tested using Node.js with the Mocha framework.
- The application is designed to restrict access to common browsers and other programs. This prevents candidates from using external applications to malfunction during online exams. These tests validate different features and ensure smooth functionality under various conditions.
- Currently, One Secure Browser supports exams from Microsoft and ETS. It provides a reliable platform for conducting secure online assessments.

#### 2. ACA

**Description** - ACA is a project designed to facilitate Adobe certification exams, covering applications such as Photoshop, Premiere Pro, Illustrator, Acrobat, and more. It ensures a secure testing environment, preventing any possibility of cheating.

#### Roles and Responsibilities:

- I contributed to the development of the Acrobat certification exam using scalable C# .NET components. This design enabled easy adaptation for additional certification programs.

- For the backend, we implemented C# and MySQL, ensuring a robust and efficient foundation. JavaScript was utilized for the middle layer to enhance functionality and user interaction.

### 3. Load Test Framework

**Description** – Load Test Framework project helps to test load of an exam with mocked number of candidates with multiple AWS instances. It is an internal framework includes with an Web application, Windows Service, Web API and AWS AMI templates

#### Roles and Responsibilities:

- In this framework I have developed Web Application, Windows service, and Web API.
- In Web application I have used Dot NET MVC core application it is robust and secured with authentication we used security code on web request. It is using for create a new task with number of servers.
- In the Load Test Web API, I utilized .NET Core along with Xunit test cases to validate functionalities. Additionally, it was designed to facilitate instance termination.
- In the Windows service, I utilized .NET Core to automate the creation of AWS servers. This process was driven by task entries and executed using AWS AMI templates.

Except these I have worked on several window services and APIs and Web APIs.

**SRM Technologies**

September 2021 to June 2022

**- Programmer**

#### Role description:

I developed ADAS support systems for Nissan vehicles using Embedded C, ensuring enhanced functionality and reliability in automotive applications.

**Santhila Databot**

November 2020 to September 2021

**- PHP Developer**

### 1. Zigma ERP Software

**Description** - This is an Enterprise Resource Planning (ERP) software developed for Zigma Global Private Limited, designed to streamline business operations and enhance efficiency.

#### Roles and Responsibilities:

- It is ERP Software used to HTML, CSS, Bootstrap, PHP, jQuery, and SQL. I was worked as developer for this project.
- Zigma Global, a nationwide garbage recycling organization, operates branches across India. They utilize this software for managing expenses and invoices efficiently.

At Santhila Databot, I have contributed to the development and implementation of various ERP software solutions.

### Certification

- DP-900: Azure Data Fundamentals
- AI-900: Azure AI Fundamentals
- AZ-204: Azure Developer Associate
- GitHub Copilot Fundamentals
- CLF-C01: AWS Certified Cloud Practitioner

### CONTACTS

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### DECLARATION

I hereby confirm that the above information is true to the best of my knowledge and beliefs.