

# SUJATHA SOMASUNDARAM

## CONTACT

Long Beach, CA 90803

+1 562-666-4010

Sujatha.somasun@gmail.com

## PROFESSIONAL SUMMARY

Seasoned .NET Architect with over 14 years of experience in designing, developing, and deploying robust, scalable, and high-performance applications. Adept at leveraging the full spectrum of .NET technologies to build enterprise-level solutions, with a strong emphasis on front-end development using Angular. Extensive experience with cloud platforms, including Azure and AWS, enabling seamless cloud integration, migration, and optimization of applications. Proven track record in leading cross-functional teams, driving architectural decisions, and delivering projects on time and within budget. Committed to implementing best practices, ensuring code quality, and fostering a culture of continuous improvement.

## SKILLS

- Demonstrated proficiency in development using Microsoft .NET technologies like C#, .NET Framework, ASP.NET, ASP.NET MVC Framework, .NET Core, LINQ, WCF, Web Services, Windows Service, SOAP, SQL-Server, Oracle and Visual Studio, TFS, Web API, .
- Extensive experience in .NET applications based on Object Oriented Programming (OOPS), Internet Technologies, Web based, Client/Server, n-tier and Service Oriented Architecture (SOA).

## EXPERIENCE

### Lead .NET Architect/Developer

JP Morgan Chase | United States (Remote) | 03/2023 - Present

- Execute software solutions with advanced design, development, and troubleshooting skills.
- Ensures secure, high-quality production code and maintains efficient synchronous algorithms.
- Architect complex applications adhering to best practices and design constraints.
- Analyzes large datasets to develop insightful visualizations and reports for enhanced decision-making.
- Proactively addresses hidden data issues to improve code quality and system integrity.
- Participates in software engineering communities and stays updated on emerging technologies.
- Fosters a diverse, equitable, and inclusive team environment.
- Collaborates with business analysis and support teams for requirements, functional specifications, and technical architecture using agile methodology.
- Leads and manages a team, including task assignment, mentoring, coaching, and performance evaluation.
- Converts HL7 V.2 messages to XML for CDA document templates and manages escalations.
- Develops applications using C#, ASP.NET, ReactJS, and uses Power BI for reporting client account details and brokerage margins. Deploy ASP.Net core with Pivotal Cloud Foundry.
- Hands-on experience implementing Kanban methodologies to streamline workflows, improve team collaboration, and enhance project visibility, resulting in increased efficiency and reduced bottlenecks.
- Implements UI with ASP.NET 4, JavaScript, CSS, XML, and communicates with the business layer using WCF.
- Develops and maintains microservices with ASP.NET Core, and creates Azure Data Factory pipelines for data integration between on-premises and cloud sources.
- Proficient in using test case management tools such as TestRail, and QTest for planning, executing, and tracking test cases throughout the software development lifecycle.
- Proficient in using Git for version control, including branching, merging, and rebasing to manage project workflows effectively.
- Designs and implements infrastructure solutions using Terraform for AWS, Azure, and GCP, and configures Azure Key Vault.

- Experience with AGILE SCRUM and Waterfall and involved in all phases of SDLC (Software Development Life Cycle).
- Extensive experience in developing User Interfaces using Bootstrap 3.2, AngularJS (1.4), Angular 2+, Angular^11, Angular^12 , AJAX, XML, HTML5, DHTML, XML/XSL/XSLT/XPath/XML Schema, CSS, Java Script, Typescript, jQuery.
- Extensively used Microsoft Azure Services like Azure Web services, Function Apps, Azure Sql, Logic Apps, Storage Accounts, Key Vault, Azure Service bus and created different release pipelines for Dev, Test, Performance and Production.
- Extensive knowledge in developing applications in a single page (SPAs) using various JavaScript frameworks like AngularJS, React.js, Node.js, BackboneJS and Bootstrap.
- Extensive Experience of LINQ and ORM technologies like Entity Framework 6.0/5.0/4.3, Entity Framework Core, Database First, Code First and performance tuning using SQL profiler.
- Proficient in UI development using HTML, CSS, jQuery, JavaScript, Angular JS, Angular/ Typescript, AJAX, and Bootstrap.
- Experience in designing and implementing infrastructure as code and CI/CD pipeline for deployments of large- scale web applications.
- Experience in Cross-Platform Mobile Development using React Native + Type Script based mobile app.
- Worked on Windows Presentation Foundation (WPF) as a graphical subsystem to display User Interfaces for business applications.
- Expertise in software design and development of Web based Applications using C#, VB.NET, ADO.NET, ASP.NET MVC, JavaScript, jQuery, HTML5, XML, CSS3, PHP,

## Senior Technical Lead

HCL technologies (Client : GIC) | Singapore | 12/2021 - 03/2023

- Captured requirements for payment and corporate action systems in public markets and investment solutions for private equity and real estate.
- Enhanced and supported the CHARLES RIVER (CRD) software suite and served as the primary contact for settlement systems.
- Created rich user experiences using Angular8 with HTML, CSS, and Bootstrap; used Angular8 to bind HTML views to JavaScript objects.
- Developed a RESTful Web API using ASP.NET Web API for data generation, consumed by Angular8.
- Proficient in React and its core concepts, including JSX, event handling, state management, and hooks, to build dynamic and responsive user interfaces.
- Utilized Vitest, Jest, and React Testing Library to mock data and methods in various testing environments, ensuring comprehensive test coverage.
- Built and maintained a Knowledge Management framework with Confluence and ensured up-to-date Run Book practices.
- Cultivated strong stakeholder relations, performed gap analysis, and led development and QA teams.
- Skilled in implementing theme management and global styles using CSS-in-JS approaches to ensure a consistent design across applications.
- Knowledgeable in using linting tools like ESLint and Prettier to enforce coding standards and improve code quality through static analysis.
- Championed Scrum methodologies, provided hands-on training, and utilized JIRA for process management.
- Familiar with resolving merge conflicts and utilizing Git commands to troubleshoot and maintain code integrity.
- Produced daily status updates for C-suite, directed incident management, and applied Control-M for job scheduling.
- Developed and tested Azure Cognitive services and implemented data pipelines in Azure Data Factory.
- Integrated Kafka with other technologies and developed web applications using MongoDB, Express, React/Redux, Node.js, and GraphQL.
- Created complex WPF UIs with XAML and MVVM patterns; researched and implemented FHIR standards.
- Designed cloud infrastructure solutions with Terraform and configured Azure Key Vault.
- Developed applications using ASP.NET Core, MVC, HTML, CSS, JavaScript, and Docker for containerization.
- Created proof-of-concept with responsive web design, Node.js, React JS, HTML5, and CSS3. Designs and implements infrastructure solutions using Terraform for AWS, Azure, and GCP, and configures Azure Key Vault.

## .NET Team Lead

Avanade (Client: Income Tax) | Singapore | 12/2020 - 12/2021

AngularJS/2+, AJAX, Web API, WCF, MSSQL.

- Developed services using WCF (Windows Communication Foundation).
- Experienced in XML Web Services (SOAP, REST, WSDL and UDDI), Service Oriented Architecture (SOA) concepts using .NET Framework.
- Experience in Performing T-SQL tuning and optimization of queries for reports that took longer execution time using MS SQL Profiler, Index Tuning Wizard and SQL Query.
- Hands on experience with SQL Server Reporting Services (SSRS), SQL Server Integrating System (SSIS)
- using SQL 2017.
- Involved in developing front end using Angular8, JavaScript, HTML, and CSS.
- Experience in Micro service architecture to interact through a combination of REST and AWS S3 buckets using .Net Core 3.1
- Expertise in developing various JavaScript frameworks like Angular.js, Backbone.js, Require.js, Node.js, Express.js, Underscore.js, React.js/Redux, Ember.js, Responsive web design. (RWD)
- Excellent analytical and programming abilities in using technology to create flexible and maintainable solutions for complex development problems.
- Proficient in Python for data analysis, automation, and application development.
- Experienced in designing, optimizing, and managing PostgreSQL databases for high-performance applications.
- Proficient in developing interactive web applications using Blazer, with experience in Both server-side and WebAssembly models.

- Spearheaded requirement elicitation for IRAS's Tax Portal, ensuring thorough user needs assessment.
- Expertly analyzed and addressed incidents, streamlining issue resolution and escalation.
- Led UI/UX design for enhanced web page functionality and provided support for application systems, including IRIN.
- Upheld code quality standards through rigorous source code reviews and managed code within TFS.
- Knowledgeable in Git best practices, including commit message conventions and maintaining a clean project history.
- Worked in Agile Scrum methodology, delivering functionality in each sprint.
- Implemented Mock Service Worker (MSW) to intercept network requests and simulate API responses, improving the reliability of integration tests.
- Developed application layers using C#, ASP.NET, .NET Framework 4.5, HTML5, JavaScript, jQuery, Bootstrap, CSS3, and Angular 4 for responsive interfaces.
- Created Web API Controllers in ASP.NET MVC 5 for RESTful services.
- Familiar with optimizing performance by utilizing features like server-side rendering and critical CSS with CSS-in-JS frameworks.
- Extensively used Microsoft Azure Services like Azure Web services, Function Apps, Azure Sql, Logic Apps, Storage Accounts, Key Vault, Azure Service bus and created different release pipelines for Dev, Test, Performance and Production.

### **Sr.NET Developer**

NCS Pte Ltd ( Client : GIC ) | Singapore | 08/2014 - 12/2020

- Led requirement gathering for tailored solutions in Public and Private Sectors.
- Managed enhancements and BAU tasks for three critical applications.
- Acted as the key liaison for Settlement System operations, improving communication.
- Leveraged Postman for advanced mocking scenarios, facilitating thorough API testing and validation of request/response cycles.
- Created a Knowledge Management system to enhance Public Market application accessibility.
- Have experience using Kanban to optimize workflows and enhance team collaboration, leading to improved efficiency and visibility in project management.
- Drove stakeholder engagement, gap analysis, and led Development and QA teams.
- Advanced project management with Agile practices and provided Jira training.
- Provided daily status updates to executive management and handled incident analysis.
- Proficient in using CSS-in-JS libraries such as Styled Components and Emotion to create dynamic, reusable components in React applications.

- Executed job scheduling with Control-M and performed basic Linux maintenance.
- Leveraged Vitest, Jest, and React Testing Library to mock data and methods in various testing environments, achieving thorough test coverage.
- Chaired daily production incident meetings and maintained high problem management standards.
- Produced detailed technical specifications and directed Business Continuity Planning.
- Contributed to Quality Assurance for Private Market applications and implemented Agile/SCRUM.
- Developed application layers with C#, ASP.NET, HTML5, JavaScript, jQuery, Bootstrap, and Angular 2.
- Designed user interfaces and wrote code for Controllers, Services, and Business Logic using ASP.NET MVC and Entity Framework.
- Developed SPAs with Knockout JS, Angular JS, and Backbone, and integrated XML/JSON web services with SOAP, WCF, and Web API.
- Deployed applications to Azure App Services and Azure Kubernetes Service (AKS), and used Ajax, CSS, JavaScript, Bootstrap, and SQL Server for web and backend development.
- Deploy ASP.Net core with Pivotal Cloud Foundry.

#### **Sr. Software Engineer**

Mizuho Bank | Singapore | 01/2013 - 08/2014

- Engineered high-quality programs following industry standards for optimal performance.
- Collaborated with senior management to streamline System Development Department operations.
- Led UI/UX design, integrating Front End and Backend Development for enhanced web experiences.
- Crafted documentation and proposals for project endorsements from management and Head Office.
- Ensured compliance with Head Office and Inter-Office protocols for procedural consistency.
- Delivered detailed progress reports, ensuring transparency and accountability.
- Provided technical support and resolved issues for Money Market, Foreign Exchange, and Suspicious Account Monitoring systems.
- Proposed innovative solutions to enhance operational efficiency and effectiveness.
- Conducted training and support for development staff and end-users, fostering team knowledge.
- Represented the bank in software vendor interactions, facilitating productive partnerships.

- Assisted in disaster recovery efforts, ensuring business continuity per supervisor instructions.
- Managed SDLC phases including requirement gathering, design, development, and testing using Agile (Scrum).
- Developed SPAs with CSS, HTML, AngularJS, and backend with ASP.NET MVC and Web API.
- Experienced in collaborating with teams using GitHub for code reviews, issue tracking, and pull requests.
- Created Windows applications using C#.NET, WPF, and SQL Server, and used Prism for modularity.
- Designed and developed web and WPF applications, including HL7 and DICOM interfaces, and contributed to EDI solutions.

### **Software Engineer**

IBIZ Consulting Services Pte Ltd | Singapore | 04/2012 - 11/2012

- Developed and executed advanced system integration solutions, enhancing process efficiency and troubleshooting complex technical challenges.
- Conducted comprehensive analysis to craft bespoke programs and applications tailored to specific client needs.
- Ensured high software reliability with thorough unit and load testing, and established effective maintenance practices.
- Optimized data acquisition processes through advanced coding techniques and refined access methods.
- Created complex custom reports for large-scale data analysis and strategic management, improving decision-making.
- Provided technical support and integration services for GIS analysis applications, ensuring operational continuity.
- Implemented state management solutions using Context API and Redux to streamline data flow and enhance application scalability.
- Administered and fine-tuned production databases for optimal performance and support.
- Improved data integration with effective design and deployment of application-to-application data feeds.
- Coordinated multi-site data operations, ensuring uniformity and efficiency in data management processes.
- Played a pivotal role in all stages of the software lifecycle: requirements gathering, design, development, testing, debugging, and fine-tuning.

### **Software Engineer**

Psiber Tech Solutions Pte Ltd | Singapore | 01/2012 - 04/2012

- Leveraged Agile methodologies to streamline software development lifecycle.
- Specialized in full-stack development, delivering robust front-end and back-end solutions.

- Crafted intuitive UI/UX designs for web applications, employing tools like Wireframe and Draw.io
- Partnered with Product Owners to refine requirements and designed comprehensive Process and State Flows for product architecture.

### **Systems Engineer**

Infosys Limited | India | 09/2010 - 11/2011

- Conduct comprehensive evaluations and assessments to recommend optimal software and hardware solutions.
- Architect and develop robust software frameworks, specifications, and technical interfaces.
- Lead the design and execution of intricate technical designs and advanced application features.
- Create and deliver high-fidelity software prototypes, ensuring rigorous testing protocols.
- Provide expert guidance and support to software teams, facilitating the management of ongoing projects.

## **EDUCATION**

**MASTER'S DEGREE: Software Engineering**  
**National University of Singapore, 2012-2014**

**BACHELOR OF TECHNOLOGY: Information Technology**  
**Anna University, 2006-2010**

## **CERTIFICATIONS**

- AWS Certified Developer
- AWS Certified Solution Architect
- Microsoft Azure Developer Associate