

Arun Jasper
Senior UI Developer (Angular)

Phone No: (630) 390-4528
Email: arunjasper@yahoo.com

Summary: 20 Years of software development experience.

- Extensive Experience in Web Applications using **Angular, TypeScript, JavaScript, ASP.Net MVC** and **ASP.Net**.
- Experience in designing UI Layers using **Angular Material, Kendo(telerik), PrimeNG, CSS3, SCSS** and **Bootstrap**.
- Deep knowledge in Angular best practices and concepts, server side Rendering using **Angular Universal**, parallel processing using **Web Workers**, Lazy loading using **Angular Routing**, cross cutting concerns using **HTTP interceptors**, components communication using **RxJS** Subjects, State Management using **NgRx**.
- Experience in integrating Angular applications with API using **GraphQL, Apollo/Client** and **Angular-apollo**.
- Expert knowledge in using **Angular CLI, Angular Schematics, scaffolding** techniques for development productivity.
- Stay up to date with the latest trends and advancements in frontend development, recommending and implementing relevant technologies and tools. Developed UI using Angular, Typescript, HTML5, SCSS, and Bootstrap.
- Worked in **Test Automation (E2E)** using **Cypress, Protractor** and **Selenium**.
- Worked in various Migration projects like **ASP.Net to Angular, ASP.Net to ASP.Net MVC**.
- Experience in custom components, modules and libraries which extend the elements and modules of core Angular.
- Experience with building the infrastructure for serving the front-end app and assets.
- Experience in Distributed Applications using **Web API, WCF Services, MSMQ** and **WebSphere MQ**.
- Deployed applications in AWS using **S3, EC2, Lambda** and **Azure** using **Web Apps, Azure SQL** and **Azure functions**.
- Worked in XML technologies (**XML, XSD Schema, XSLT Transformations, XPATH, DTD** and **DOM**).
- Developed Stored Procedures, functions and complex queries using **SQL Server Management Studio, PL SQL Developer** and **TOAD**.
- Expert knowledge in **OOP, SOLID** Principles, **Design Patterns** (Dependency Injection, Observer, CQRS, Factory and Singleton) and architectures such as **MVC, MVVM, Micro Services**.
- Experience with software development best practices, including coding standards, code reviews, source control management, build processes, testing and operations.
- Experience in maintaining code quality using tools like **SonarCloud, HP Fortify, SecureAssist, FXCop**.
- Experience in updating and version controlling the source code using the tools **GIT, TFS, VSS** and **Perforce**.
- Experience in using tools like **Swagger, Postman** and **SoapUI** for UI and API integration.
- Experience using Figma to pass of design deliverables to product other teams
- Experience in developing web pages compliance with **WCAG 2.1**, Section 508, and ADA standards.
- Experience with methodologies for software development and delivery like **Agile (Scrum)** and Waterfall.
- Experience in all phases of Software Development Life Cycle (**SDLC**) & Engineering systems Including **Azure DevOps**, Source Control, Build, Release & **CI/CD** pipelines.
- Experience in using data analytics tools like Splunk, **Grafana, AppDynamics** and others for application monitoring.

Technical Skills:

Web Technologies	Angular, Typescript, NGRX, RxJs, NX, JavaScript, ASP.Net MVC, ASP.Net, HTML5, Node Js, JQuery, AJAX, JSON, CSS3, SCSS, Kendo(telerik), Angular Material, PrimeNG, Bootstrap
Languages	TypeScript, JavaScript, C#, VB.NET, PowerShell
SOA	WCF, .NET Core API, Micro Services, Web services, SOAP, REST, WSDL, XSD
Database	SQL Server, Oracle, PostgreSQL
Testing	Cypress, Protractor, Selenium, NUnit, XUnit, Jest, Karma, Jasmine, Mocha
Cloud	AWS, AWS S3, EC2, Lamda, Azure App services, Azure SQL, Docker, Kubernetes, Azure DevOps
IDE	Visual Studio Code, IntelliJ, Visual Studio.Net, PowerShell ISE
Version Control	GIT, TFS, VSS, Perforce
Tools	Atlassian, Jira, Confluence, Fortify, SecureAssist

Employment History:

Start Date	End Date	Name of Company	Designation
Nov-2022	Till Date	TechSun Soft Inc	Senior UI Developer
Nov-2021	Oct-2022	TekValley Inc	Senior Software Engineer
Apr-2021	Nov-2021	Apex Systems	Senior Software Engineer
Dec-2009	Apr-2021	TekValley Inc	Senior Software Engineer
Oct-2007	Dec-2009	CDC Global Services.	Senior Software Engineer
Dec-2006	Oct-2007	Electronic Data Systems. (EDS)	Information Analyst
Apr-2005	Oct-2006	Satyam Computer Services Ltd.	Senior Software Engineer
May-2003	Mar-2005	Infonet Consultancy Services (P) Ltd.	Senior Software Engineer
Nov-1999	May-2003	Pentagon Global Solutions Ltd.	Software Engineer

Education Details:

Year	Degree	University
1994 - 1996	MBA	Madurai Kamaraj University
1991 - 1994	B.Sc	Manonmaniam Sundaranar University

Professional Experience:

Client: CapitalOne, TX - Remote

Start Date: Nov-2022

End Date: Till Date

Role: Senior UI Developer

Project: Exceptions One

Exception one is the web application for managing policy standard, and procedure exceptions needed across CapitalOne.

Responsibilities:

- Designed and Developed responsive and user-friendly web interface using **Angular 14/16/18, TypeScript, HTML5, CSS3, SCSS** and **JavaScript**.
- Involved in design and development of reusable UI library using **Angular Component Dev Kit (CDK)**.
- Re Architect the current Angular application with **Dynamic Forms** and **Dynamic components** for maximum scalability.
- Developed dynamic form module using angular reactive forms and custom control libraries..
- Developed complex controls like multi select tree dropdown, Typeahead search, Multi select list, Multi select lookup, Single select list, Single select lookup and registered to the dynamic form module.
- Created custom, general modules and components which extend the elements and modules of **core Angular**.
- Migrated the application from **Angular 14** to **angular 16/18**.
- Created State Management module using Observable services with **RxJs subjects** and **Observables**.
- Migrated State Management module with Signal Store and **Signals**.
- Following the **WCAG 2.1** guidelines for web accessibility for developing the UI components.
- Worked on unit tests using **Karma, Jasmine**, Angular testing utilities like **TestBed, ComponentFixture**.
- Developed and set up Test Automation using **Cypress, Jest** and **Jasmine**.
- Collaborated with UX/UI designers to translate wireframes and mockups into functional web pages.
- Optimize the application for maximum speed and scalability, ensuring high performance across different browsers..
- Developed containers, and deployed applications using **Docker**.
- Conduct code reviews and provide constructive feedback to maintain code quality and best practices.
- Troubleshoot and debug frontend issues, working closely with the backend team to resolve integration problems.

Environment: Angular 14/16/18, RxJS, Typescript, JavaScript, Node Js, AWS S3, GIT, SCSS, HTML5, Docker, Visual Studio Code, Sonar Cloud.

Client: DocuSign, SFO, CA - Remote

Start Date: Nov-2021

End Date: Oct-2022

Role: Senior Web Developer

Project: DocuSign ECom

ECom provides Interface to choose various plans and checkout for the customers.

Responsibilities:

- Developed reporting and monitoring dashboard using **Angular, Typescript, RxJs, CSS and GraphQL Apollo client**.
- Developed API for Ecommerce application using **GraphQL, .Net Core, C#**.
- Migrated **GraphQL** version from 2.3 to 4.5.
- Developed build and deployment script using Powershell for Jenkins CI/CD pipelines.
- Worked on unit tests using Jest, Jasmine, Angular testing utilities like TestBed, ComponentFixture.
- Worked on the integration of backend API developed with **ASP.Net core, C# and GraphQL**.
- Developed micro services using .Net core and deployed to Kubernetes using **Azure Kubernetes Service**.
- Automated the GraphQL API static documentation generation using **SpectaQL** and **PowerShell** scripts.
- Involved in release procedures, coding standard, documentation protocol and change management procedures.
- Coordinating with application partner technical contacts, troubleshooting and resolving connectivity issues, identifying Certificate/Permissions problems.

Environment: Angular 12, NGRX, RxJS, Typescript, JavaScript, PrimeNG, GIT, Jenkins, Visual Studio Code, Micro Services, Docker, Kubernetes, Terraform, Helm, PostMan, GraphQL, SpectaQL

Client: BP, Houston, TX - Remote

Start Date: Apr-2021

End Date: Oct-2021

Role: Senior UI Developer

Project: DbaaS Console

DBaaS provides a unified database as a service solution that provisions a fully managed ready-to-consume and compliant server-less database for BP applications in all regions and operating environments. Using this console Customers can create, configure, operate, dispose, and decommission their databases with minimal oversight

Responsibilities:

- Developed UI using **Angular, Typescript, HTML5, SCSS, and Bootstrap**.
- Involved in design and development of reusable UI components using **Kendo, PrimeNG, and Keyline**.
- Migrate the application to **Angular12 (TsLint to ESLint, Apollo-client to @Apollo/client3, GraphQL, AWS sdk)**
- Worked on authentication module using **AWS Cognito, aws-amplify, amazon-cognito-identity-js**.
- Redesigned the shared data access library with latest **apollo/client3, apollo-angular, GraphQL** libraries.
- Utilized **Nx** to develop, test, build, migrate Angular applications with modern tools like **Jest, Cypress, ESLint, NgRx**.
- Followed the **WCAG 2.1** guidelines for web accessibility for developing the UI components.
- Worked on security vulnerabilities, including SQL Injection, Buffer Overflows, Cross-Site Scripting, Cross-Site Request Forgery reported by SAST and DAST tools.
- Used Atlassian suite of tools including JIRA, Confluence, and **Bitbucket**.
- Deployed application in AWS S3, EC2 using **Atlassian Bitbucket CI/CD pipeline**.
- Worked on unit tests using Jest, Jasmine, Angular testing utilities like TestBed, ComponentFixture.
- Developed and set up Test Automation using Cypress, Jest and Jasmine.
- Worked with UI/UX designers and translated UI/UX designs into code.
- Participates in code review, refining linting rules, fixing **sonarcloud** and **codesmell** fixes.
- Following Agile practices with CI/CD concepts and Unit Testing.
- Participates in external planning processes and collaborates with scrum masters to prioritize development.

Environment: Angular 11/12, NGRX, RxJS, Typescript, JavaScript, GraphQL, Apollo/Client, AWS SDK, Kendo, PrimeNG, AWS S3, GIT, BitBucket, SCSS, HTML5, Visual Studio Code, Sonar Cloud.

Client: Wells Fargo, San Leandro, CA

Start Date: Dec-2009

End Date: Apr-2021

Role: Senior Software Engineer

Projects: ACM (ATM Campaign Manager), ARM (ATM Response Manager), AMC (ATM Monitoring Console), CBD (Customer Behavior data)

Description: ACM is the web application to create ATM Ad Campaigns. ARM is the SOA which processes ATM ad campaign responses and ATM incidents like Card Jams, Withdrawal/Deposit Jams in near real-time, as well as supports downstream

services for update or confirms the Phone number, Mobile Banking enrollment, referrals and Jam reporting. AMC is a monitoring system which provides a data driven console for reporting and event driven console for failures in ATM applications. CBD is a web application that provides a dashboard with reports of the customer behaviors at ATMs.

Responsibilities:

- Designed and Developed UI layer using **Angular 2/4/6/8/10, RxJS, ASP.Net MVC, Typescript, JavaScript, ES6, HTML 5, Angular Material, Bootstrap** and **CSS3**.
- Experience in state management using Angular Services with **RxJS subjects, Observables** and **NGRX**.
- Utilized Angular CLI, Angular Schematics and Visual Studio SPA application (Angular) template **scaffolding** techniques for the development productivity.
- Coordinating with UX designer and designing the UI using the UI components **Angular Material, Bootstrap** and **JQuery**.
- Experience in Angular testing utilities like TestBed, ComponentFixture, and the functions that control the test environment.
- Developed Angular applications with advanced techniques like **Dynamic Components, Angular Elements, Dynamic Forms, Angular Service Worker** and **App Shell**.
- Worked in Test automation frameworks and E2E tests with (**Selenium, NUnit, .Net**) & (**Protractor, Karma, Jasmine**).
- Experience in making design and technical decisions for Angular Single Page applications.
- Developed Angular Libraries to share across the projects.
- Worked on back end layer using **C#, ASP.Net Core API, Node JS** and **Express Server**.
- Developed Data Access Layer using ADO.Net, Entity Framework, .Net Core Entity Framework, Dapper.
- Designed and Developed Middle Layer using WCF Services, Windows Service, C# and IBM Web Sphere MQ Client.
- Migrated the legacy web services to ASP.Net core API (Micro Services), Ocelot Gateway and deployed in Docker.
- Developed DB objects like stored procedures, Functions, Complex Queries using **SQL Server (2005/2012/2017)**.
- Solely architected, designed and developed one of the middle layers (ATM Response Manager) for the ATM.
- Worked closely with Upstream and Downstream application partners and integrated the (**SOA**) applications and maintained application programming Interfaces (API), schemas and security standards.
- Designed and developed the parsing engine for Raw ATM messages and Tablet usage data from the upstream applications.
- Developed test simulator tool (**E2E testing**) for the ATM response messages (SOAP).
- Worked on .Net Authentication (Windows/Forms/Certificate) and Authorization, securing confidential data with encryption, secure tokens JWT, OAUTH.
- Worked on PowerShell scripts for NDM file transfer and connected direct scheduled tasks.
- Worked on the integration of MicroFocus Voltage and implemented encryption methods (FPE) for the PII data.
- Implemented certificates, **SSL/TLS/TLS1.2**, IIS configuration with secure channel.
- Used Web Content Accessibility Guidelines (**WCAG**) **2.1** for the design and development of Angular templates and web Pages to achieve the **ADA** compliance.
- Upgraded and improved the code time to time (**Angular 2/4/6/8/10**) as per the Enterprise guidelines.
- Implemented enterprise standards in terms of security, auditing and remediate vulnerabilities spotted by **DAST & SAST** tools.
- Implement Kafka streaming to send data to downstream applications.
- Managing excellent working relationships with Business stakeholders and Product owners.

Environment: Angular 2/4/6/8/10, Angular Material, NGRX, RxJs, .Net Framework, .Net Core Web API, C#, ASP.Net Core MVC, WCF Service, Windows Service, SQL Server, PostgreSQL, IIS, Azure Web Apps, Azure SQL, Azure Functions, Web Sphere MQ, Kafka, HTML5, TypeScript, JavaScript, Bootstrap, JSON, CSS3, SASS, Jasmine, Karma, Protractor, Selenium, XML, Entity Framework, Dapper, Visual Studio, PowerShell scripts, Software Factories, Guidance Package, SecureAssist and Fortify.

Client: Center to Promote HealthCare Access, Sacramento, CA

Start Date: Jan-2009

End Date: Dec-2009

Role: Senior Software Engineer

Project: One-E-App (www.assistedoneeapp.org)

One-e-App is a Web-based system designed to provide access to a broad range of State and locally administered health and human service programs. With One-e-App, individuals and families can receive preliminary eligibility determinations and subsequently apply for a range of programs through a single, electronic application.

Responsibilities:

- Developed the GUI with **ASP.Net, AJAX, JQuery, JSON, Java Script** and **XSLT** using Visual Studio 2008.
- Studied the existing applications in **ASP** and migrated to **ASP.Net 3.5**.
- Implemented Cross Browser support in the web application for Firefox, Safari, IE6 and Opera.
- Migrated the ASP.Net web application to **ASP.Net MVC** application.
- Developed Custom Controls and User Controls using ASP.Net and C#.
- Developed stored procedures and Functions in **SQL Server-2005**.
- Implemented Globalization in web application.
- Involved in the Performance tuning of the Web Application.

Environment: .Net Framework 3.5, ASP.Net, C#, ASP, SQL Server-2005, MSTs, SSRS, Visual source safe (VSS), LINQ, AJAX, JQuery, JSON, XML, XSLT, and JavaScript.

Client: SonicWALL Inc., Sunnyvale, CA

Start Date: Nov-2007

End Date: Oct-2008

Role: Senior Software Engineer

Project: www.mysonicwall.com

MySonicwall.com is a web application which provides a convenient, centralized way to register all of the SonicWALL Internet Security Appliances and Security Services.

Responsibilities:

- Studied the existing application developed in **ASP, VB Script**, and **XSLT** and migrated to **ASP.Net and C#**.
- Studied the **VB6** Components and replaced them with .Net Components.
- Involved in enhancement and maintenance of existing ASP application.
- Developed the GUI with **Web Forms, XSLT, AJAX, Java Script, JQuery** and **JSON**.
- Developed Data Access Layer using **ADO.Net** and Microsoft Application Blocks (Microsoft Enterprise Library).
- Involved in Architecture and Design of Service Layer using WCF Services.
- Developed Reports using SQL Server Reporting Services (**SSRS**).
- Developed XML Schema for the Business Entities used in the Web Methods for validating Request.
- Developed the Soap Extension to validate the XML Schema.

Environment: .Net Framework 2.0, ASP.Net, C#, ASP, VB, SQL Server-2005, SSRS, VSS, WCF, AJAX, XML, XSD, XSLT, JavaScript.

Client: Xerox, Chennai, India

Start Date: Dec-2006

End Date: Oct-2007

Role: Senior Team Member

Project: Sales Management Process (SMP)

The Sales Management Process is an Internet and Intranet application which involves a series of management reviews that structure the way Managers, reps, and specialists should work together to achieve business results.

Responsibilities:

- Analyzing the requirement with Onsite members and developing Low Level design.
- Presentation layer (GUI) development using **Web Forms, JavaScript** and **CSS**.
- Designed and developed the Business Layer using C# and developed the Data Access Layer using Application Blocks.
- Applied Design Patterns (**Factory, Singleton**, and **Observer**) in component development.
- Developed stored procedures and Functions and Packages Using **SQL SERVER 2005** and **Oracle 10g**.
- Modified the Data Access Layer to connect to **Oracle DB** with **ODP.Net**.
- Designed and developed security module using .Net membership objects and Login controls.

Environment: .Net Framework 2.0, ASP.Net, VB.Net, C#, Web Services, Oracle-10g, ODP.Net, SQL Server-2005, ADO.Net, SSRS, SSIS, AJAX and JavaScript

Client: TRW Automotives, Chennai, India

Start Date: Oct-2005

End Date: Oct-2006

Role: Technical Lead

Project: Vendor Information Network (VIN)

VIN is a global Web-based system that is designed to facilitate seamless communication between suppliers and TRW Automotive. The supplier can access the global supplier portal of TRW Automotive, Respond to quality concerns and Monitor and track the supply to TRW Automotive.

Responsibilities:

- Coordinated development groups (**Onshore/ Offshore**).
- Developed Presentation layer (GUI) using **ASP.Net Web Forms, AJAX, Java Script** and **CSS**.
- Developed PL SQL Stored Procedures, functions and Packages using **PL/SQL Developer**.
- Developed Custom HTTPHandlers and HTTPModules for handling **XMLHTTP** requests.
- Designed the Business Entities with XML Serialization using **IXMLSerializer**.
- Conducted code review using **FXCOP** to ensure the coding standard.

Environment: .Net Framework 1.1, ASP.Net, C#, Web Services, Oracle-9i, AJAX, VSS, Java Script and CSS

Client: Chevron, Chennai, India

Start Date: April-2005

End Date: Oct-2005

Role: Team Leader

Project: North America Fuel Quality Investigation Process (NAFQIP)

NAFQIP is an intranet application that allows the Retail and PERT users to see various reports on Sample Tests and perform various actions like Investigation/Annual Test Plans / Sample Reconciliation and Invoicing through a web interface.

Responsibilities:

- Developed GUI using **ASP.Net, HTML, Java Script, Ajax, XML HTTP** and **CSS**.
- Developed stored procedures and Functions Using **SQL Server 2000**.
- Designed and Developed Business Layer using VB.Net and Data Access Layer using ADO.Net.
- Developed Reports in (Excel) **Xls, CSV** using **XML** and **XSLT**.

Environment: .Net Framework 1.1, ASP. Net, VB. Net, SQL-Server-2000, XML, XSLT, AJAX, Java Script, Macros, VSS

Client: VuCom Inc., Chennai, India

Start Date: Aug-2004

End Date: Mar-2005

Role: Team Leader

Project: Track Wiz System

Trackwiz is a distributed application used by law enforcement personnel in (LAPD) to communicate and distribute the Incident details to field officers using Pocket PC and update the data to remote Server.

Responsibilities:

- Developed the GUI, Middle Layer and Data Layer,
- Implemented **MSMQ** in message communication with remote client,
- Developed components with Asynchronous Callbacks using Delegates.

Environment: VB. Net, ASP, SQL-Server-2000, WINFORMS, Web Service, Windows Service, MSMQ, SOAP, XML, XSL-FO

Client: Somali Telecom Group (STG), Dubai.

Start Date: May-2004

End Date: July-2004

Role: Senior Software Developer

Project: Telecom Billing System

Service application reads the COM port of the Telecom server and parses the raw data to normalized data.

Responsibilities: Solely worked on the whole life cycle of the project (requirement, Design, Development, Testing and Deployment).

Environment: .Net Framework 1.1, C#, WINFORMS, Remoting, Crystal Report 8 and SQL-Server 2000

Client: Khosis Inc, Chennai, India

Start Date: Feb-2004

End Date: April-2004

Project: Job Site for Nurses

Role: Senior Software Engineer

This Web site matches the applicant's preferences for jobs and the profile of jobs that firms are offering.

Responsibilities: Worked on GUI and DB objects like stored procedures and Functions using **SQL Server2000**.

Environment: .Net Framework 1.1, ASP. Net, VB.Net, JavaScript, CSS, ADO.Net, SQL-Server-2000 and XML

Client: VuCom Inc., (LAPD), Chennai, India

Start Date: June-2003

End Date: Jan-2004

Role: Senior Software Engineer

Project: Flex Transform System

Flex Transform system is a Windows product (**ETL**) used to extract, transform, synchronize and consolidate data from disparate sources into a single or multiple targets.

Responsibilities: Migrated existing **VB6 application to VB.Net**, Worked on DB objects using **SQL Server-2000**

Environment: VB. Net (WINFORMS), ADO.Net, VB 6, SQL Server 2000, Crystal Report-9, Infragistics Controls

Client: Midtown Industries, Chennai, India

Start Date: Dec-2001

End Date: May-2003

Role: Software Engineer

Project: Production Management System of Engineering Company

This project was developed to track the Employees and Machine efficiencies.

Responsibilities: Developed GUI using **VB 6, DB objects, COM Components** and **ActiveX DLL**.

Environment: VB 6, COM, ActiveX DLL, MS Access 2000, ADO, ODBC