**Swetha**

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 **PROFESSIONAL SUMMARY:**

* Having **9+ years** of experience in the capacity of a Senior Web Developer, I have accrued a rich expertise in front-end technologies including software development lifecycle (SDLC), specializing in the creation of web and mobile user interfaces utilizing technologies such as **HTML5, CSS3, JavaScript, AJAX, JSON, Angular, and jQuery.**
* Versatile in adopting various software development methodologies, including Agile and Waterfall, with a strong foundation in Extreme Programming for iterative and incremental advancements.
* Skilled in modern web development practices, including **MVC frameworks, event-driven applications via AJAX, and object-oriented JavaScript.**
* Demonstrated proficiency in web application creation with expertise in HTML5, CSS3, JavaScript, TypeScript, and multiple **Angular versions (2/4/5/6/7/9/11/12/16), alongside React JS for SPAs and PWAs.**
* Active engagement in leveraging **Angular and ReactJS** frameworks for client-side scripting, including validations and real-time application development with architecture like Flux.
* Deep understanding of **Identity Access Management (IAM) technologies, including JWT, OAuth2, SAML 2.0, and Active Directory.**
* Expert in Responsive Web Design using Bootstrap and Media Queries, alongside proficiency in **AngularJS and ReactJS** components, directives, and services.
* Experienced in Docker containerization and orchestration with Kubernetes for various development environments.
* Advanced in **UI/UX design**, including wireframes, mock-ups, prototypes, and web interface development with a focus on **HTML, DHTML, and JavaScript validations**.
* Proficient with CSS pre-processors like SASS and LESS, and well-versed in CSS fundamentals such as layouts, animations, and pseudo-classes.
* Comprehensive experience in **front-end technologies, including Node.js, React.js, Vue.js, AngularJS, and various JavaScript frameworks, adhering to W3C standards.**
* Familiarity with Sitecore for full-stack development, including frontend, backend, and package development.
* Developed server-side rendered **progressive web applications (PWA**) with technologies like React.js, Next.js, and Firebase, incorporating web app manifests and service workers.
* Implemented and maintained A/B testing strategies for UI enhancements, with extensive experience in building SPAs using **MVC frameworks.**
* Utilized RESTful services with jQuery, React.js, Vue.js, and Angular for dynamic data fetching.
* Experience in SDK development for iOS, including customization of iOS platforms and frameworks.
* Proficient in source code management and version control using GitHub and TortoiseSVN.
* Quick learner with the ability to deliver solutions efficiently both independently and as part of a team, with knowledge of the **.NET framework.**
* Strong communication, analytical, interpersonal, and presentation skills, adept at meeting tight deadlines and fostering team collaboration.

**TECHNICAL SKILLS:**

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| **Programming/Scripting Languages** | C, C++, Java, .net, HTML, XML, PL/SQ, PHP, JavaScript, jQuery, AJAX, and ECMAScript 5/6 |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, Bootstrap, Cypress, XML, JSON, Media Queries, Responsive Web Design, CSS sprites, CSS grid |

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| --- | --- |
| **JavaScript Libraries** | Angular 2/4/5/6/7/9/11/12/16, Angular JS, Node JS, React JS, React Native, Redux, nor, Flux, Backbone JS, Knockout JS, Express JS, Mocha JS, Require JS, JQUERY, Vue.js, EXT JS, Version Control (GitHub, Apache Subversion) |
| **Servers** | HTTP Web Server, Apache Tomcat, Web logic, Apache Cordova |
| **Databases** | PL/SQL, MySQL, Oracle, DB2, SQL Server, MS Access, MongoDB, Postgres |
| **Operating Systems** | Windows, Android, IOS, UNIX, LINUX |
| **Methodologies** | Agile, Scrum, SDLC Waterfall model, TDD |

**PROFESSIONAL EXPERIENCE:**

**Client: Cigna, Philadelphia, PA. Nov 2023 to Present**

**Role: Sr. Frontend Developer**

**Responsibilities:**

* Designed, developed, and tested web applications using **Angular 16/12,** HTML5, CSS3, and Bootstrap, ensuring compliance with accessibility standards and cross-browser compatibility.
* Created TypeScript reusable components and services to consume REST APIs using component-based architecture provided by **Angular 16.2.**
* Actively participated in the enhancement of the payments module by creating a user-friendly experience with **Angular 16/12,** which is a pivotal aspect of the application.
* Responsible for the development of **single-page applications (SPAs)** using Angular 16/12 frameworks to improve the productivity of the internal team.
* Upgraded the application components from **Angular 12 to Angular 16**, maintaining functionality and optimizing performance.
* Utilized **Angular 16's** CLI to compile CSS3 and JavaScript, enhancing the build process and adopting conventional coding methods.
* Designed dynamic client-side JavaScript codes to build web forms and simulate processes for a web application, page navigation using **Angular 16.2.**
* Created services with **Angular 16.2** @injectable property, as to make the service available for dependency injection when creating components.
* Engineered responsive, data-driven UI components using Angular and D3.js, optimizing for cross- browser compatibility and mobile responsiveness.
* Migrated front-end MVC architecture to Angular 12, replacing Vue.js, and integrated it with NodeJS and the Express framework.
* Replaced Vue.js directives, components, and forms with Angular 12 constructs, maintaining data binding and HTTP services.
* Implemented Angular Router to enable navigation from one view to the next as agent performs application tasks.
* Used CSS preprocessor **SASS to make CSS more efficient.**
* Led the integration of **AWS Lambda** to create a seamless, serverless architecture, enhancing the efficiency of data processing and risk assessment modules.
* Facilitated continuous integration and continuous delivery (CI/CD) pipelines with AWS ECS, automating the build and deployment processes, and ensuring high availability and fault tolerance.
* Seamlessly integrated **AWS ECS and S3** services with Node.js applications, optimizing data flow and improving overall system efficiency.
* Configured **Webpack and VITE** within an Angular environment using Node.js to ensure a robust build process.
* Applied JavaScript ES6 modules and leveraged Angular-specific tools for efficient JavaScript builds, replacing **Laravel Elixir and Gulp.**
* Developed responsive user interfaces compatible across **various iOS versions** using Angular's cross- platform capabilities.
* Integrated **SOAP API** and Rest API web services within Angular applications to interact with external systems.
* Created **Angular-based CSS** templates to standardize styling across the website, focusing on responsive design principles.
* Developed models to persist data in **MongoDB using Mongoose Driver.**
* Responsible for creating RESTful web services using NodeJS, and ExpressJS for fetching the data, updating, and storing in MongoDB database using Mongoose.
* Developing RESTful Services with Jaxrs for building web services in Java.
* Leveraging **Spring Framework** for dependency injection, Spring Boot for auto-configuration, and Spring MVC for designing web applications and RESTful services. Implementing security measures with Spring Security using OAuth for authorization and LDAP for authentication.
* Managing database interactions using **Hibernate, leveraging** its ORM capabilities and JPA implementation.
* Containerizing applications using Docker for its lightweight nature and managing them using Kubernetes for its automated deployment, scaling, and management capabilities.
* Transformed the **API response using RXJS observables.**
* Utilizing Apache Cassandra, an open-source NoSQL distributed database, for managing large amounts of data across multiple servers. Leveraging its high availability, scalability, and lack of a single point of failure to ensure robust and reliable data storage.
* Developed a full-stack platform using Angular for the front-end to replace **React.js, Next.js**, and other frameworks.
* Implemented optimization strategies in Angular projects to minimize page load times and enhance user experience.
* Adapted **C#.NET back-end development** to work seamlessly with Angular front-end applications, focusing on the **Data Access Layer (DAL) and Business Logic Layer (BLL).**
* Provided support for Windows containerization in Angular projects targeting Cloud Foundry environments.
* Developed interactive user interfaces with **Angular**, replacing React.js and its associated libraries such as **Flux and React Native.**
* Facilitated the display of data in Angular applications by collaborating with back-end teams and using custom components and state management libraries like **NgRx (in place of Redux).**
* Designed web pages adhering to WCAG standards using Angular's accessibility features.
* Managed code builds and changes within an Angular context, utilizing JavaScript, Python, and Shell scripts in a CI/CD pipeline with tools like Jenkins.
* Authenticated the API access from the front end using middleware **JWT.**
* Implemented token-based Authentication for **API using Jwt token.**
* Used Angular HTTP to communicate with **API and used map, filter, and subscribe in Rxjs.**
* Created custom pipes using angular before displaying them to the user.
* Used jasmine and karma for unit testing and mocha**-**chai for functional testing.
* Written unit test scripts for controllers, filters, and services using TDD as a part of the agile approach.
* Developed in an Agile Team environment using **GIT.**

**Environment**: **HTML4/5, CSS 2/3, XML, JavaScript, PHP, Angular 12/16, ReactJS, Webpack, Redux, NodeJS, NPM, Typescript, nor, AWS, ES6, Cypress, containerization, Spring, Spring Boot, Hibernate, Docker, Kubernetes, Cassandra, Graph-QL, Vue-Js, Postgres, Terraform, JSON, RESTful Web Services, A/B Testing, Agile methodology, GitHub**

**Client: CVS Health, Woonsocket, RI. May 2023 to Oct 2023 Role: Sr. React Developer**

**Responsibilities:**

* Experience in using **React JS** code for making calls **(GET, POST, PUT, DELETE)** for triggering or fetching data from **Restful API's**
* Worked with **Redux reducers** to capture the essence of flux stores and gradually migrated from existing Flux towards **Redux.**
* Extensively used **React Flux** Implementations Alt and **Redux** and their architectures.
* Created the back end using Express JS and included **NPM package** Axios (Promise based HTTP client for the browser and node.js) to get results from multiple search **APIs.**
* Implemented the multi datacenter cluster consisting of Cassandra rings.
* Develop queries in UI for receiving live polling data from Graph and map the data into the table.
* Modularize code using design patterns, handle flow control using react promises or streams.
* Developed the JavaScript file with the help of Web pack and babel.
* Individually developed gulp scripts (tasks) for cleaning, optimizing, compressing, minification of **CSS & SCSS/SASS.**
* Accomplished Web Platforms with real time browser server communication through WebSocket’s and AJAX.
* Developed a fully automated continuous integration system using, Bootstrap.
* Followed W3C standards for building and rendering web pages including HTML, CSS, and Ajax for web applications, which includes **WCAG (Web Content Accessibility Guidelines)**
* Built **secure front ends to REST API's using XSS/CSRF** protections, and secure local storage.
* Developed RESTful API with documentation for mobile and external applications using JSON web token authentication.
* Created a performance-oriented, mobile optimized **UI framework including a large set of XML** theme blocks using LESS, BS3, JS, jQuery.
* Developed the service layer for the partner portal by creating **SOAP/REST** based Webservices interface between systems using HTTP.
* Developed Interfaces for applications connecting to IBM Ilog Jules through Webservices and deployed in Apache Tomcat.
* Unit tested **front-end React JS code using Mocha, Chai and Enzyme.**
* Installed the application on AWS EC2 instances and configured the storage on S3 buckets.
* Set up Micro frontend Vue routing and backend Express.js routing for request processing and data sending.
* Used the Jenkins and Dockers to implement the Continuous **Integration and Deployment (CI/CD).**
* Troubleshoot and debug issues related to Amplify, AWS SDKs, Lambda runtime (NodeJS, Java)
* Performed Continues integration and continues development using **Gitlab CI/CD.**
* Responsible for writing various test cases using Jest, Enzyme, Mocha, and Chai for the application code.
* Used AWS cloud services to deploy the application on web servers.
* Design and developed multiple web (UI) pages using **JSF, ADF Rich Faces, JSP and HTML.**
* Created JIRA Workflows for multiple projects according to business needs and Created projects while keeping up existing projects/agile boards.
* Experience designing and developing user interfaces for websites integrated with Salesforce.
* Expertise in integrating Salesforce APIs and web services with front-end technologies **like HTML, CSS, and JavaScript.**
* Proficiency in Salesforce technologies like Apex, Visualforce, and **Lightning Web Components (LWC)**
* Familiarity with Salesforce data modelling, security, and administration best practices
* Experience with version control systems like Git, and agile development methodologies like Scrum and Kanban
* Familiarity with **GCP SDKs**: Mention any experience you have with **GCP SDKs** and how you have integrated them into your React application.
* Developed a real-time chat application using **React Native**, leveraging the WebSocket protocol for instant messaging and updating of message statuses.
* Implemented real-time data synchronization functionality using **React Native** and Firebase, allowing users to collaborate and see updates in real-time across multiple devices.
* Integrated real-time location tracking features into a React Native mobile application using technologies like **React Native** Maps and geolocation APIs, enabling users to share their location with friends in real-time.
* Built a real-time notification system in a React Native app using push notification services like Firebase Cloud Messaging or One Signal, ensuring users receive instant updates and alerts.

**Environment: React, Redux, ES6, AWS, JavaScript, HTML5, CSS, Ajax, Cassandra, Bootstrap, Typescript, SASS, java, MongoDB, Rest, Express JS, Node, Visual Studio, SQL, NoSQL GitHub, Enzyme, Selenium, Scrum, Agile, Docker, Kubernetes, XML, JSON, Typescript, AWS, JAVA.**

**Client: Capgemini/Zurich, Hyderabad, India. Jul 2021 to Dec 2022 Role: Sr. Frontend Developer**

**Responsibilities:**

* + Led the design and development of user interface components and services with Angular versions 5 and 6, focusing on achieving a modular architecture that promotes clean coding practices and integrates seamlessly with **server-side APIs for dynamic content delivery.**
	+ Engineered a dynamic **Single Page Application (SPA**) utilizing Angular's UI-router, optimizing state and view management to enhance application responsiveness and user experience.
	+ Executed advanced client-side validation and data display techniques employing **Angular's reactive forms, custom services, and pipes, contributing to a highly interactive and responsive user interface.**
	+ Developed scalable applications by creating TypeScript classes and services in Angular 5/6 to interface with RESTful APIs, **leveraging Angular’s** component-based design for enhanced scalability and maintainability.
	+ Transitioned application development from **React Native and JavaScript to Angular**, focusing on exploiting Angular's service workers to enable robust offline functionality for a device logger library.
	+ Mastered the development of responsive web applications using Angular, transitioning from **React/Redux** to Angular's HttpClient for REST API consumption, and adopting RxJS for sophisticated reactive programming patterns.
	+ Designed, developed, and standardized reusable Angular components like headers, footers, and navigation elements to ensure consistency and code reuse across the platform.
	+ Employed Angular's HttpClient to efficiently communicate with backend services using Entity Framework, optimizing state management and **API interaction.**
	+ Experience in using **Model-View-Controller (MVC)** architectural pattern in PHP applications, which separates an application into three main logical components: the model, the view, and the controller.
	+ Utilized Angular to craft engaging user interfaces, making use of one-way data binding, Angular template syntax, and advanced features such as lazy loading and observables for a cutting-edge user experience.
	+ Integrated AJAX calls within Angular services for efficient asynchronous data retrieval and updates, enhancing application network performance.
	+ Applied TypeScript for robust form validations and effective state management across Angular components, ensuring a smooth and logical data flow.
	+ Utilized **Spring Framework** for dependency injection, aspect-oriented programming, and transaction management. Developed standalone, production-grade Spring applications using Spring Boot, leveraging its auto-configuration feature.
	+ Utilized **Spring Boot** to create RESTful web services and microservices, taking advantage of its embedded servers, security configurations, and data source configurations.
	+ Designed and developed scalable services using the microservices architectural style, ensuring loose coupling and independent deployment.
	+ Knowledge of secure coding practices in PHP to prevent common vulnerabilities such as **SQL injection, Cross-Site Scripting (XSS), and Cross-Site Request Forgery (CSRF).**
	+ Leveraged the Microservices architectural style in a complex project, developing a suite of small, autonomous services, each running in its own process and communicating with lightweight protocols.
	+ Managed relational databases using **Oracle 11g,** performing data modelling, query optimization, and database schema design. Ensured ACID properties for transactions.
	+ Developed dynamic, responsive client-side applications using **Angular, HTML, CSS, and TypeScript, guaranteeing compatibility a**cross browsers and compliance with web standards.
	+ Utilized **Kendo UI components** to create dynamic dashboards and reports for real-time data analysis.
	+ Innovated on the **Data Access Layer (DAL)** and Business Logic Layer (BLL) with C# for backend services, facilitating seamless integration with Angular-based frontends.
	+ Collaborated with stakeholders to understand data requirements and translated them into effective data visualization solutions using Kendo Charts.
	+ Developed data grids using **Kendo Grids** with features such as sorting, filtering, paging, and grouping to enable users to efficiently navigate and manipulate tabular data.
	+ Implemented state management using **Angular's NgRx library**, incorporating object-oriented programming principles to boost performance and maintainability.
	+ Spearheaded database interaction designs, transitioning from MongoDB and other NoSQL technologies to leveraging **Angular's HTTP** services for effective CRUD operations.
	+ Collaborated closely with **Software Quality Assurance (SQA**) teams, utilizing Angular's Karma and Jasmine testing frameworks to identify and resolve defects efficiently.
	+ Managed source code versions and project builds using Git, incorporating Angular CLI for streamlined development and deployment workflows.

**Environment**: **Proficient in Angular 5/6, RxJS, MongoDB, Kendo Grid, kendo UI, kendo Chat, ReactJS, Webpack, GitHub API v3, Angular Local Storage, SQL, TypeScript, BackboneJS, Jenkins, Shell scripting, JavaScript, RESTful services, JSON, HTML5, CSS3, Karma, Jasmine, within an Agile and Jira-centric workflow, with version control managed via Git.**

**Client: Infosys , India. Apr 2017 to Jun 2021 Role: Frontend Developer**

**Responsibilities:**

* + Spearheaded the design and implementation of user interfaces utilizing a robust stack of technologies including **HTML5, CSS3, JavaScript, Bootstrap, JSON, jQuery, and Angular versions 2 and 4, enhancing UI interactivity and visual appeal.**
	+ Leveraged **JIRA** for project defect tracking, utilized Git for source code version control, and employed Bitbucket for secure code repository management, ensuring efficient project oversight and collaboration.
	+ Executed comprehensive unit testing across various frameworks, including Junit and Cucumber for **Spring applications**, Protractor for Angular-based testing, and Mocha, to guarantee software quality and reliability.
	+ Engineered **SQL statements** and stored procedures using JDBC for effective backend communication, optimizing data interactions and integrity.
	+ Innovated custom Angular 5 services for seamless backend **API integration, providing dynamic data services to frontend components for enriched user experiences.**
	+ Enhanced application functionality with Angular 4, developing forms, modules, and services, and managing **DOM interactions, events, expressions, controllers, filters, and HTTP requests for robust application architecture.**
	+ Implemented **HTTP Requests for efficient data retrieval from web servers, processing JSON for dynamic UI rendering, and establishing robust web API connections using Angular with comprehensive HTTP call designs for CRUD operations.**
	+ Managed RESTful web service responses utilizing **XML, JSON, and jQuery, facilitating dynamic UI updates and seamless backend integration for data exchange.**
	+ Developed and integrated advanced JavaScript, CSS3, and HTML5 solutions, creating reusable widgets/libraries for complex **UI controls**, and spearheading UI upgrades and improvements for optimal user interaction.
	+ Constructed TypeScript reusable components and services in Angular 4, adopting a component- based architecture for **REST API** consumption and engaging in Angular 5 modular programming for enhanced scalability.
	+ Integrated Ng-2-smart table in projects, incorporating features like sorting, filtering, and pagination, to provide an advanced user interface experience.
	+ Developed applications using the **MEAN stack (MongoDB, Angular 5),** leveraging Angular 5 to craft a Single Page Application (SPA) with various dynamic components.
	+ Implemented callback functions for JSON data manipulation returned from the server, ensuring efficient data processing and application responsiveness.
	+ Orchestrated client-side logic with **Angular 4,** utilizing controllers within specific modules for DOM node manipulation, enriching the application's interactivity and functionality.

**Environment: Expertise in HTML5, CSS3, Angular versions 2.0, 4.0, and 5.0, JavaScript, .NET,C#,**

**Jenkins, TypeScript, jQuery, SQL, AJAX, Bootstrap, Jasmine, and Bitbucket, facilitating a comprehensive and modern development workflow.**

**Client: Maisa Solutions PrivateLimited, Hyderabad, India. May 2014 to Mar 2017 Role: Software enginner**

**Responsibilities:**

* + Worked on Frontend development **with CSS3, Bootstrap and AngularJS** on various projects for the company's clients in Agile Development method.
	+ Developed interactive **UI's** for the user experience using the front-end technologies like **HTML, CSS, DOM,** **JavaScript and JQuery** and designed Frontend within object-oriented JavaScript Framework like Angular.js and bootstrap.
	+ Involved in the Software Development Life Cycle **(SDLC)** phases like Implementation, Requirement Analysis and estimating the timelines for the project.
	+ Built reusable Web components and for styling extensively used **CSS and Bootstrap for styling the HTML elements.**
	+ Introduced and encouraged teams to use automated scripts with grunt and gulp to automate common tasks which increased team member’s productivity by great margin.
	+ Expertise in breaking down the DOM Layout, Javascript works, Cascading Styles crosswise over cross-program utilizing Fire Bug.
	+ Worked in a team to develop RESTful web-services using **Spring MVC-Hibernate and NodeJS-Express.**
	+ Developed business logic including connecting web-applications to servers with REST web-services.
	+ Designed dynamic client-side JavaScript, codes to build web forms and simulate processes for web application, page navigation and form validation.
	+ Used agile methodology for the software development.