

Ajay Adakula



Full Stack .Net Developer

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PROFESSIONAL SUMMARY:

- Result driven Computer Science Professional with **4+ years of experience** as a **full stack developer** in developing web applications using the web technologies **HTML/HTML5, CSS/CSS3, JavaScript, ReactJs, React Native, Redux, Angular, Typescript, Bootstrap, jQuery.**
- Experienced in leveraging Redux and building Android and iOS applications with **React Native.**
- Used **JEST, React Native Testing Library** to write Unit test cases to improve application and maintainability.
- Strong Experience in dealing with CSS Backgrounds, Layouts, **Positioning**, and **CSS Box Model.**
- Experience and knowledge about **SASS/SCSS, ECMASCRIPT 6/5.**
- Extensive experience in **Angular** framework for building **Single Page Applications (SPAs)**
- Facilitated seamless collaboration with cross-functional teams and designers by using Figma's **collaborative** tools, resulting in faster design iterations and improved communication.
- Hands-on experience with **MySQL** and **MongoDB** databases.
- Experienced in creating **Branches, Merging, Rebasing, Reverting, Tagging** and **maintaining** the version across the environments using **SCM tools** like **GIT** on **Linux and Windows** environments
- Experienced in **Agile process, Jira** and **Sprint Planning, daily standup, Retro** to sync up with Team
- Extensive experience in working with **Angular framework** to implement Single page applications (**SPAs**) using **Directives, Modules, Routers, Views, Model, Filters/Pipes, Services.**
- Expertise in implementing Azure DevOps services such as Azure **Boards**, Azure **Repos**, Azure **Pipelines.**
- Automated Build, Test and Deployment process using **CI/CD** pipelines in **Jenkins** by developing scripts.
- Good knowledge and experience in using **Elasticsearch, Kibana, Splunk, Prometheus**, and **Grafana, CloudWatch** for logging and monitoring.
- Experience working with multiple public clouds **AWS, Azure.**
- Strong understanding of **Agile processes, including Jira, Sprint Planning**, daily standups, and retrospectives, ensuring effective team synchronization and project delivery.

TECHNICAL SKILLS:

Languages	C#, C, Java, JavaScript(ES6), T-SQL, PL/SQL, VB.NET, Spring Boot, PowerShell.
.Net Technologies	.Net Framework 4.5, ADO.NET, MVC 4/5, Web API, Entity Framework.
Web Technologies	ASP.NET, HTML/HTML5, CSS/CSS3, XML, React JS, Angular, Node.js, AJAX, JQuery, JSON.
Database	SQL Server, Oracle, Azure SQL, CosmosDB, MongoDB.
Cloud	Azure, AWS, Docker, Kubernetes.
Amazon Web Services	EC2, S3, VPC, RDS, Elastic Beanstalk, AWS Lambda, Elastic container Service.
Azure Services	Azure Devops, Logic Apps, Function Apps, Blob Storage, Azure App Services, Service Fabric, Kubernetes, Azure Data Factory, Azure Service Bus, Azure Storage Explorer.
Operating Systems	Windows, Linux.
Tools	Visual Studio, SQL Server Management Studio, MS FrontPage, Kafka, CI/CD, Jenkins, Maven, Gradle.
Monitoring Tools	Splunk, Elasticsearch, Kibana, CloudWatch.
Source Control Tools	Git, GitHub, Bit Bucket.
Testing Frameworks	N-unit, X-Unit, MS test.
Methodologies	Agile (Scrum), UML Waterfall.

WORK EXPERIENCE:

SecureLake Inc - Dallas, USA

May 2023 - Dec 2023

Role: Full Stack .Net Developer

Responsibilities:

- Involved in complete **SDLC**, which includes **Requirements Gathering, Analysis, Design, Development, Implementation, Enhancements, Maintenance, and Support**.
- Developed a **high-scalability event-driven system** tailored for the delivery of **push notifications** daily.
- Enhanced scalability with **RESTful APIs** and **Microservices**, reducing response time by **30%**.
- Led efforts to optimize database queries, reducing query execution times by **25%** and enhancing overall application performance.
- Led the design and implementation of network solutions using **.Net technologies**, resulting in a **20%** improvement in overall network performance.
- Designed and implemented **web applications** with user-friendly interface and eye-catching designs using **.NET 4.6 C#**.
- Developed and supported the application using **ASP.NET CORE MVC** with Razor syntax, **C#.NET, AJAX, JSON, HTML, JavaScript, Angular, Bootstrap** and **CSS**
- Utilized programming capabilities in **Microsoft SQL Server** and **JavaScript** and other libraries as needed.
- Developing **SQL stored procedures**, using Cursors in stored procedures, functions, and triggers for developing **back-end database** structures required for web applications to maintain **Real time data integration**.
- Utilized **Spring Boot** to develop **microservices**, streamlining the deployment and management of services within the application ecosystem.
- Successfully integrated **React.js framework** into the front-end development stack, leveraging its component-based architecture to enhance modularity and reusability.
- Demonstrated proficiency in advanced **client-side scripting** with **JavaScript**, employing features like closures and asynchronous programming to enhance application responsiveness.
- Designed and implemented **OAuth 2.0 and OpenID Connect** protocols for secure and standardized user authentication.
- Implemented **middleware solutions** to facilitate data exchange, enhance application functionality, and support interoperability in a distributed environment.
- Development of **Logic Apps, Server less Function Apps**, Web API's in-service fabric, on **Azure Cloud**.
- Worked on setting up **CI/CD Pipelines** in **Azure Devops**.
- Development of **Azure Data Factory pipelines** and Expertise in **CI/CD** setup on **Azure Devops**.
- Used **Azure Cloud** for Hosting Web services for retrieval and posting Data to **Blob Storage**.
- Involved in **writing Automated Test Cases** using test frameworks like **N-Unit, X-Unit**.
- Designing, Developing, and implementing **web applications** with user-friendly interface and eye-catching designs using **.NET 4.6 C#**.
- Designed and implemented scalable applications using **CosmosDB** as the primary database, ensuring optimal performance and high availability.
- Implemented **Kafka**-based event-driven architecture, enabling real-time data processing and efficient communication between microservices.

United Overseas Bank (UOB), India

July 2018 – July 2022

Role: .Net Developer

Responsibilities:

- Integrated **third-party APIs** for payment gateways and authentication, ensuring secure and seamless transaction processing.
- Developed the **back-end logic** with a **TDD** approach and the **front-end logic** with the **BDD** approach and wrote automation scripts in **C#** and **PowerShell**.

- Developed an **internal notification system**, which offers managing operations on notifications created by **UOB** customers.
- Enhanced application boot time, making it more than **50%** faster, and boosted **UOB's** business clients' revenue by **5%** through the integration of cutting-edge notification capabilities and Automated **CI/CD**, reducing deployment errors by **15%**.
- Developed **RESTful APIs** to expose functionalities and data to external applications and Created comprehensive API documentation to facilitate integration for third-party developers.
- Utilized .Net features such as **LINQ, async/await**, and generics to enhance code efficiency and readability.
- Implemented object-oriented principles and design patterns in **.Net/C#** development.
- Integrated third-party libraries and **APIs into .Net applications** for extended functionality.
- Designed and optimized database schemas, tables, indexes, and stored procedures in **SQL Server**.
- Implemented **Entity Framework Core** migrations to manage database schema changes and updates.
- Developed **SQL queries**, stored procedures, and triggers to manipulate and retrieve data from **MySQL** databases.
- Implemented primary keys, foreign keys, and constraints to enforce data integrity and optimize performance.
- Developed application using **MVC framework**, adhering to the **Model-View-Controller** architectural pattern.
- Designed and implemented interactive user interfaces using **Razor syntax in Razor Pages or Blazor** components.
- Facilitated **sprint planning, daily stand-ups, sprint reviews, and retrospectives** as a team member.
- Managed product backlogs, prioritized user stories, and estimated efforts using **Agile** project management tools.
- Collaborated closely with product owners, business analysts, and **QA teams** to ensure alignment of development activities with business goals and user needs.
- Developed cross-platform mobile applications using **React Native framework** for **iOS** and **Android platforms**.
- Implemented state management solutions such as **Redux** to manage application state in **React Native**.
- Conducted debugging and troubleshooting of mobile applications using **React Native debugger**.
- Developed interactive and responsive web applications using **ReactJS library** for front-end development.
- Designed and implemented reusable **UI** components and **stateful** components in **ReactJS**.
- Utilized React Router for client-side routing and navigation in **single-page applications (SPAs)**.
- Implemented client-side form validation and error handling using **ReactJS** form libraries or custom solutions.
- Developed the user interfaces of the application using **HTML Controls** and coded extensively using **JavaScript MVC Framework Redux** to make rich internet web application for a Single page web-application.
- Implemented thorough unit testing strategies using frameworks such as **NUnit and XUnit** for backend components, ensuring code quality and reliability.
- Utilized **JEST and Enzyme** for frontend components, establishing a comprehensive testing approach across the entire application stack.
- Developed scalable and maintainable **single-page web applications (SPAs)** using **Angular framework**.
- Implemented unit tests for **Angular** components, services, and modules using frameworks **Jasmine and Karma**.
- Followed **Angular** best practices to ensure consistent code quality, readability, and maintainability.
- Configured **CI/CD** pipelines to automate build, test, and deployment processes for software applications.
- Managed source code repositories, branches, and version control using **Azure Repos** within **Azure DevOps**.
- Collaborated with development teams to define release strategies, deployment environments, and deployment gates in **Azure DevOps** Release pipelines.

EDUCATION:

- **Masters of Science in Computer Science Dec, 2023** Central Michigan University – MI, USA.
GPA: 3.6/4.0

CERTIFICATIONS:

- AWS Certified Solution Architect Associate