Monika M

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# SUMMARY

Results-driven **Full Stack .NET Developer** with **4+ years** of experience delivering **enterprise-level web applications** using **ASP.NET Core**, **Angular**, and **React**. Proficient in **microservices architecture**, **secure API development**, **CI/CD pipelines**, and **cloud platforms** (**Azure**, **AWS**, and **GCP**). Adept at **performance optimization**, **unit testing**, and **Agile delivery** with a proven track record of reducing downtime, accelerating delivery, and improving code quality.

TECHNICAL SKILLS

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| --- | --- |
| **Programming Languages** | C#, ASP.NET, JavaScript, VB6.0, HTML, XML, and PL/SQL |
| **Frameworks** | NET Framework 4.6/4.5/4.0 |
| **Operating Systems** | Windows XP,7,8 and LINUX |
| **Scripting Languages** | JavaScript, JQuery, AJAX, VB script, Angular 14/15/16, Type Script, Node JS, React JS, Ext JS |
| **Web Technologies** | ASP.Net, ADO. Net, NHibernate, HTML, DHTML, AngularJS, Node.JS, Bootstrap, ReactJS, XML, AJAX, CSS, XSL, Web Services, WSDL, UDDI, WCF, WPF, Silverlight |
| **Software Application** | VisualStudio.Net, Dreamweaver and Expression Blend |
| **Reports** | Crystal Reports 10/9.0, SQL Server Reports. |
| **Web Servers** | IIS 5.0/6.0/7.0. |
| **Methodologies** | Agile, waterfall, SCRUM, TDD |
| **Version Control Tools** | Subversion (SVN), CVS, GIT, TFS |
| **Database** | Oracle 8.x/9i/10g/11g, MS Access 2003, MS SQL Server, MongoDB |

# WORK EXPERIENCE

**Costco, Plano, TX Jan 2025 – Present**

**Role: Full Stack Developer**

**Responsibilities:**

* Actively participated in Agile ceremonies including daily stand-ups, sprint planning, and retrospectives, utilizing **Azure Boards** to estimate and manage user stories and sprint progress.
* Developed and deployed secure **RESTful APIs** using **ASP.NET Core Web API** and **JWT authentication** in **C#**, enforcing role-based access control and session management.
* Implemented **Entity Framework Core** with a code-first approach for streamlined ORM and data handling with **SQL Server**.
* Optimized complex backend logic and data queries using **LINQ**, achieving up to 40% improvement in execution time.
* Designed and built scalable, distributed **microservices** in C# using **clean architecture** and **SOLID principles**, integrating **Kafka** for asynchronous messaging and decoupled communication.
* Applied **AutoMapper** for object-object mapping and **FluentValidation** for enforcing data integrity within service layers.
* Implemented **API Gateway** and **Backend-for-Frontend (BFF)** patterns to provide tailored microservice responses for frontend clients.
* Developed dynamic, responsive **single-page applications (SPAs)** using **Angular**, utilizing **RxJS**, component-based architecture, and **TypeScript**.
* Built interactive UIs with **Blazor Server**, leveraging reusable **Razor components**, two-way data binding, and server-side rendering for real-time apps.
* Worked closely with UI/UX teams using **Figma**, delivering pixel-perfect designs with **HTML5**, **CSS3**, and **responsive layouts**.
* Managed source control using **Azure Repos** and implemented **CI/CD pipelines** via **Azure DevOps Pipelines** for seamless builds, testing, and deployments.
* Containerized services with **Docker**, orchestrated deployments using **Kubernetes**, and hosted scalable microservices on **Azure Kubernetes Service (AKS)**.
* Monitored and tuned cloud performance in **Azure App Services**, improving uptime and deployment efficiency.
* Designed normalized **database schemas**, optimized **stored procedures** and **views** using **T-SQL** for high-performance database access.
* Maintained comprehensive documentation of architectures, workflows, and technical specs in **Confluence** for knowledge sharing and cross-functional collaboration.

**Environment:** C#, ASP.NET Core Web API, Angular, Blazor Server, Entity Framework Core, Microservices, SQL Server, T-SQL, LINQ, AutoMapper, FluentValidation, JWT, Kafka, Azure App Services, Azure Kubernetes Service (AKS), Docker, Kubernetes, Azure DevOps Pipelines, Azure Repos, Azure Boards, Confluence, Figma, NUnit, Swagger, HTML5, CSS3, RxJS, Git.

**Centene Corporation, St Louis, MO Jan 2024 – Dec 2024**

**Role: Full Stack Developer**

**Responsibilities:**

* Collaborated with cross-functional teams in a **Waterfall** delivery model, using **Jira** to track milestones, manage structured issue resolution, and ensure timely phase-wise sign-offs.
* Built fast, reusable, and responsive UI components using **React**, **Hooks**, and **Context API**, with seamless state management across modules.
* Improved **SPA** performance by applying **memoization** and **lazy loading**, leading to faster Time to Interactive (TTI).
* Developed robust **ADO.NET** data access layers in **C#**, leveraging **connection pooling**, **transactions**, and **command objects** for efficient **relational DB** interactions.
* Designed and documented **REST APIs** using **Swagger/OpenAPI**, enabling seamless third-party integrations, contract validation with QA/front-end teams, and interactive schema-based testing via generated mocks.
* Created **xUnit** test suites using parameterized cases and lifecycle hooks, and integrated them into **Jenkins** pipelines, enforcing quality gates alongside **SonarQube** for early detection of code smells and security issues.
* Managed code with **Git/GitHub**, using effective **branching strategies** and **pull request workflows** to maintain high code quality in peer reviews.
* Automated **CI/CD** processes with **Jenkins**, triggering builds and tests via **GitHub webhooks** for consistent integration and delivery.
* Deployed applications on **AWS EC2** and **Elastic Beanstalk**, with environment-specific configs, **autoscaling**, and deployment strategies.
* Used **AWS S3** and **CloudFront** for secure static content delivery with global performance optimization.
* Applied **IAM roles** and **policies** to control secure, least-privileged access to **AWS resources**.
* Designed **NoSQL schemas** in **MongoDB**, supporting flexible data structures with **dynamic indexing** and used **aggregation pipelines** for efficient data transformation and reporting.

**Environment:** React.js, JavaScript (ES6+), Context API, Hooks, ADO.NET, C#, .NET Framework, Swagger/OpenAPI, xUnit, Jenkins, SonarQube, Git, GitHub, Jira, AWS (EC2, Elastic Beanstalk, S3, CloudFront, IAM), MongoDB, REST API, CI/CD, Waterfall Methodology

**Accenture, Pvt. Ltd, India Aug 2021 – Sep 2022**

## Software Developer

## Responsibilities:

* Participated actively in **Agile Scrum** ceremonies including sprint planning, daily stand-ups, and retrospectives to drive continuous delivery and team collaboration.
* Managed user stories, tasks, and bugs using **Jira**, ensuring clear sprint goals and transparent progress tracking.
* Built dynamic, responsive web applications using **Angular**, **JavaScript**, **HTML5**, and **CSS3**, emphasizing modularity and reusability.
* Developed scalable RESTful APIs using **ASP.NET Core Web API** and **ASP.NET MVC**, applying routing, middleware, and MVC design patterns for maintainability.
* Integrated real-time communication features with **SignalR** to support live notifications, chats, and dynamic UI updates.
* Implemented secure authentication and authorization using **OAuth2** and **JWT** standards.
* Created efficient data access layers with **Entity Framework Core** and **LINQ**, optimizing database interactions in **MySQL**.
* Architected and implemented microservices with asynchronous messaging using **RabbitMQ** for scalable, decoupled service communication.
* Documented APIs with **Swagger/OpenAPI** for seamless frontend-backend collaboration and third-party integrations.
* Developed unit and integration tests using **NUnit**, integrating automated tests into **Azure DevOps Pipelines** for continuous quality assurance.
* Utilized **Git** and **GitLab** for version control, enforcing branching strategies and merge request workflows to maintain code quality.
* Automated build, test, and deployment workflows with **Azure DevOps Pipelines** to enable continuous integration and delivery.
* Deployed applications to **Azure App Services** with configuration management, scaling, and health monitoring via **Azure Monitor** and **Application Insights**.
* Secured sensitive configuration and secrets with **Azure Key Vault**, ensuring compliance and best security practices.

**Environment:** Agile Scrum, Jira, Angular, JavaScript, HTML5, CSS3, ASP.NET Core Web API, ASP.NET MVC, SignalR, OAuth2, JWT, Entity Framework Core, LINQ, MySQL, RabbitMQ, Swagger/OpenAPI, NUnit, Git, GitLab, Azure DevOps Pipelines, Azure App Services, Azure Monitor, Application Insights, Azure Key Vault

**RK Info Systems, India April 2020 – June 2021**

**Software Engineer**

**Responsibilities:**

* Collaborated in **Agile Scrum** teams, actively participating in sprint planning, daily stand-ups, and retrospectives to ensure continuous delivery and process improvement.
* Tracked and managed user stories, tasks, and defects using **Jira**, facilitating clear sprint goals and transparent progress monitoring.
* Developed highly responsive, modular **Angular** applications using components, directives, services, and pipes for maintainable, reusable code.
* Built cross-browser compatible and mobile-responsive UIs with **Angular**, **Bootstrap**, and **CSS3 Flexbox/Grid** layouts.
* Implemented state management with **RxJS** and **NgRx** to efficiently handle complex data flows and asynchronous operations.
* Utilized **Angular CLI** for project scaffolding, component/service generation, and build automation to accelerate development.
* Designed and developed **ASP.NET Core microservices architecture**, promoting scalability, fault isolation, and independent deployment of backend services.
* Integrated **JWT-based authentication and authorization** to secure microservices and APIs consistently across the system.
* Implemented event-driven backend workflows using **RabbitMQ** for reliable, asynchronous communication and decoupling of microservices.
* Leveraged **Entity Framework Core** with repository and unit-of-work patterns for clean data access abstraction and improved testability.
* Managed horizontally scalable, strongly consistent data storage using **Google Cloud Spanner**, ensuring global availability and transactional integrity.
* Utilized **Cloud Spanner’s** features like automatic sharding, synchronous replication, and high availability to support microservices data needs at scale.
* Employed **Google Cloud Platform (GCP)** services for infrastructure provisioning, monitoring, and management, enhancing system reliability and scalability.
* Orchestrated containerized backend services with **Kubernetes** on GCP, enabling automated scaling, self-healing, and rolling updates for microservices deployments.
* Created and maintained unit and integration tests with **NUnit** to improve test coverage and defect detection across microservices.
* Utilized **ReSharper** for code analysis, refactoring, and enhancing code maintainability.
* Maintained thorough technical documentation supporting development, testing, and maintenance processes.

**Environment:** Agile Scrum, Jira, Angular, Bootstrap, CSS3, RxJS, NgRx, Angular CLI, ASP.NET Core, Microservices Architecture, JWT, RabbitMQ, Entity Framework Core, Google Cloud Platform (GCP), Cloud Spanner, Kubernetes, NUnit, ReSharper

# EDUCATION

University of Central Missouri **AUG 2022 – MAY 2024**

## Master of Science in Computer science

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