Arber Berisha

**Senior .NET Full Stack Engineer (Open to Remote)**

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**SUMMARY:**

Experienced IT and Software Development professional with over 8 years in the industry, specializing in the .NET framework and adept at delivering robust solutions for large enterprises. Proven expertise spans system analysis, technical leadership, and project management, with a focus on developing intricate applications for diverse sectors including ERP, media entertainment, e-commerce, healthcare, finance, banking, inventory, and accounting. Proficient in data migration, technical documentation, UML designing, application architecture, and well-versed in Agile practices, test-driven development, and software engineering design patterns, holding certifications as a Microsoft Certified Professional Developer (MCPD) and Microsoft Certified Technology Specialist (MCTS).

**TECHNICAL SKILLS:**

* C# 10 / Python / Node JS
* ASP.NET / C#.NET / ADO.NET
* Python / Django / Flask
* Azure Virtual Machines (VMs) / Blob
* Storage / SQL Database
* Selenium / JUnit
* Jenkins / JUnit / Mockito / Cosmos
* Azure Functions / Virtual Network / DevOps
* SQL/ Python / PySpark
* Docker / Kubernetes
* MongoDB / Couchbase / Cosmos
* Dynamo DB / Oracle/ My SQL / PostreSQL / Splunk
* Visual Basic / Less / VBScript
* Agile Product Management / Scrum / Sprint
* .NET / .NET Core / ASP.NET MVC / Entity
* REST APIs / Web API
* .Net Framework(8/6/4.0) / C# / ASP.NET MVC 5.0
* React 16, 18 / TypeScript
* NodeJS 15/18/20
* Azure App Service / Functions / Logic Apps
* AWS S3 / EC2 / Lambda / RDS / EKS
* RabbitMQ / Apache Kafka
* Redis / Jenkins / GitLab
* Angular 8+(8, 12, 14, 15) / React
* Swift / Vapor
* React / Vue.JS / React Native
* UI / UX Design
* HTML5 / CSS / JavaScript / TypeScript
* ASP / Biztalk / Blazor
* GCP / GCE / GKE / GCS / BigQuery
* ASP.NET Core / MVC / Web API

**TECH Summary:**

* **Programming Languages**: C#, Python, Node.js
* **Web Development**: ASP.NET Core, ASP.NET MVC, .NET Core, WinForms, ADO.NET, WPF, WCF, Entity Framework, Blazor, Angular, React, GraphQL, jQuery
* **Databases Technologies**: Microsoft SQL Server, Azure Cosmos DB, Azure SQL, MongoDB, PL/SQL, T-SQL, SSIS, LINQ
* **Cloud Technologies**: Azure, AWS
* **DevOps**: Docker, Kubernetes, Jenkins, Azure DevOps, GitLab
* **Messaging Systems**: Apache Kafka, MSMQ, Kafka Connect
* **Testing**: Selenium, NUnit
* **Other Tools**: Jira, Scrum

**PROFESSIONAL EXPERIENCE:**

**Client: NBCUniversal, New York, NY, US Nov 2020 - Nov 2023**

**Role: Senior .NET Full Stack Engineer**

**Responsibilities:**

* Developed a Content Management System and Content Recommendation Engine for several video streaming platforms using C#, .NET, and React/TypeScript for the frontend.
* Designed and implemented a Microservices architecture with ASP.NET, Node.js 18, and Django-based services, utilizing RESTful APIs and Apache Kafka message brokers for seamless communication.
* Built a robust media content management system using ASP.NET MVC and Entity Framework, resulting in improved efficiency and data management.
* Revamped a legacy software suite comprising Classic ASP and .NET 2.0 WinForms applications, reducing system downtime by +16% and decreasing support tickets by 24%.
* Developed a modern software suite in .NET 6 with Azure Serverless Architecture and React frontend, resulting in a +20% improvement in system performance, as evidenced by reduced response times and increased reliability.
* Developed backend systems using Python to integrate machine learning models and algorithms into the content recommendation engine for digital media platforms.
* Leveraged Entity Framework for seamless integration with SQL Server databases, optimizing data retrieval and manipulation processes. Optimized database performance through SQL query optimization, table indexing, and query caching techniques.
* Implemented a secure patient portal using Angular/React, ensuring HIPAA compliance and enhancing user experience. Created reusable TypeScript components and services to consume REST APIs, following a component-based architecture.
* Worked with advanced web development technologies such as React, Node.js, Express, MongoDB, MySQL, ECMAScript 6, TypeScript, JavaScript, Immutable, Bootstrap 4, CSS, HTML, and JSON.
* Collaborated with cross-functional teams to integrate MongoDB/Cosmos with the project's .NET backend and frontend components, streamlining development processes.
* Implemented secure and efficient microservices architecture using Azure Functions and Azure Durable Functions, ensuring scalability and responsiveness. Secured patient data with Azure Active Directory and utilized Azure Synapse Analytics and Power BI for data analytics, enhancing decision-making processes.
* Integrated Apache Spark for processing large-scale media content data stored in Azure Blob Storage, optimizing data analytics workflows.
* Implemented GraphQL for efficient database management and Azure DevOps for seamless collaboration among development, operations, and testing teams.
* Utilized Pandas and Matplotlib for data analytics and reporting, enabling data-driven decision-making.
* Used GitLab for source control, data collection, reporting, and project tracking. Maintained Source Code, created pull requests, performed self and Peer Code Reviews and created branches by using GIT, Source Tree.
* Leveraged AWS services like AWS Lambda and Amazon S3 for the content recommendation engine.
* Implemented CI/CD pipelines using Jenkins and Docker, streamlining development and release cycles. Conducted manual testing using tools such as JIRA and TestRail to create and execute test cases, track defects, and manage test documentation.
* Introduced the Scrum process for a new team, scaling it up from 8 developers to a robust team comprising 17 developers, two QA engineers, an architect, and a scrum master, resulting in a 25% faster project delivery.

**Client: ProFocus Technology, Portland, OR, US Jun/2017 – Oct/2020**

**Role: Software Engineer / .NET Full Stack Developer**

**Responsibilities:**

* Developed number of projects involving the custom B2B e-commerce, some health platforms and banking applications using ASP.NET, Angular and React, enabling seamless ordering for wholesale customers.
* Automated data extraction, transformation, and loading processes using XPF Batch scripts, ensuring real-time inventory updates and system integration.
* Implemented a real-time messaging service using MongoDB and ASP.NET, enhancing user engagement during live sessions by 23%. Built an interactive map portal using .NET Core and React, improving issue visibility by 29% and enabling faster response times.
* Created reusable React and Vue JS components, contributing to a modular and scalable frontend architecture. Implemented real-time analytics using TypeScript and Angular, resulting in an 11% improvement in data-driven decision-making.
* Developed REST APIs and utilized Windows Communication Framework (WCF) services for seamless data exchange, improving system interoperability by 27%.
* Designed and executed SQL Database Schema, procedures, and functions, providing stakeholders with detailed insights and achieving a 11% increase in data-driven decision-making. Developed T-SQL queries, functions, stored procedures, and triggers in SQL Server, utilizing ADO.NET for database access and updates in an ASP.NET environment.
* Developed Windows-based and web-based applications using C#, VB.NET, ASP.NET, ADO.NET, and other .NET technologies, delivering user-friendly interfaces and functionality.
* Leveraged Python to develop an algorithmic trading system, optimizing trade execution algorithms for a financial client.
* Built responsive pages using frontend frameworks like React and Vue JS, enhancing user experiences with visually appealing interfaces.
* Oversaw ETL processes, including data extraction, transformation, and loading into the data warehouse.
* Maintained device-related data in PostgreSQL, Amazon RDS, and Oracle databases within a wide-area network.
* Utilized Google Cloud Platform (GCP) extensively to design, deploy, and manage cloud infrastructure for a range of projects. Implemented virtual machines, storage buckets, and networking components using GCP services such as b, Cloud Storage, and Virtual Private Cloud (VPC).
* Implemented AWS deployment strategies using AWS Elastic Beanstalk and Amazon CloudFront for efficient application delivery.
* Developed and executed test plans and test cases to validate the accuracy and completeness of ETL processes.
* Implemented DevOps methodologies and tools, including continuous integration and continuous deployment (CI/CD) pipelines using Jenkins and GitLab.
* Containerized and orchestrated microservices using Docker, Kubernetes, and Apache Kafka.
* Developed and trained deep learning models using TensorFlow and PyTorch, specializing in image recognition with techniques like CNNs and RNNs.
* Implemented Azure Virtual Networks, Subnets, and Network Security Groups (NSGs) to establish secure network connectivity. Configured and managed Azure Virtual Machines (VMs) for various operating systems, including Windows and Linux.
* Applied Test-Driven Development (TDD) methodology with JUnit to ensure high-quality code and efficient development.

**Client: GDN Infotech, Montclair, NJ, US Nov/2015 – May/2017**

**Role: Full Stack Developer**

**Responsibilities:**

* Developed web applications using C#, ASP.NET, Java, Angular JS, JavaScript, CSS3, and HTML5.
* Designed applications following the MVC architecture, ensuring clear separation of presentation, business logic, and data access tiers. Implemented the ASP.NET MVC Page Controller pattern to add functionality to individual pages.
* Successfully designed and implemented systems based on N-tier distributed architecture using Java/J2EE technologies such as Core Java, Multithreading, Java Collections, Java I/O, JDBC, Hibernate, Struts, and Spring Frameworks.
* Implemented Spring Circuit breaker pattern, integrated Hystrix dashboard to monitor Spring microservices, configured Swagger-UI to register Microservices with Eureka server, and monitored service health check from Spring Boot admin console. Utilized Spring Ribbon for load balancing.
* Created a graphical user interface (GUI) application using C++ and Qt framework, enhancing user experience and usability.
* Developed and trained Deep learning models using frameworks like TensorFlow or PyTorch, applying techniques such as convolutional neural networks (CNNs) for image recognition.
* Introduced automated end-to-end (E2E) testing, resulting in a 32% increase in test coverage, an 18% reduction in software defects, and improved software quality.
* Enhanced user experience (UX) with ReactJS, HTML5, and CSS, leading to a 22% increase in user engagement and a 17% improvement in user retention.
* Worked on development and implementation of the MVC Architectural pattern using Spring Framework, including JSP and Servlets.
* Utilized jQuery/JQLite to create dropdowns, status, progress and menu bars, and other drag-and-drop components.
* Leveraged GCP's data analytics and machine learning services, such as BigQuery, Cloud Dataflow, Cloud ML Engine, and AI Platform, to process and analyze large datasets and build ML models.
* Optimized Kafka configurations and tuned Kafka parameters for optimal performance.
* Collaborated with testers and developers to prepare test plans, ensuring the production of high-quality software applications.
* Proficient in using JUnit and build tools such as Maven. Implemented Log4j for logging errors, messages, and performance logs. Utilized SVN for version control.

**EDUCATION:**

**Montclair State University** 05/2017**Degree:** **Bachelor of Computer Science**, Montclair, NJ Relevant coursework: Data Structures and Algorithms Operating Systems Database Systems Software Engineering Computer Networks Artificial Intelligence Web Development Computer ArchitectureGPA: 3.86

**REFERENCES:**

Will be shared upon request