

Jason Littleton

jason.3281@outlook.com

(917) 352 - 8303 || Dallas, TX

[Linkedin](#) || [GitHub](#)

OVERVIEW

Senior C# .NET Developer with 10+ years of experience in building scalable, high-performance applications. Expert in ASP.NET Core, Python, Blazor, Angular, React, and microservices architecture. Strong background in SQL databases (MSSQL, MySQL, PostgreSQL), NoSQL (MongoDB, Redis, Elasticsearch), and DevOps (Azure, AWS, CI/CD pipelines, Docker, Kubernetes). Skilled in developing AEM-backed web applications, including API integration, dynamic content rendering, and modular component design. Proven ability to lead and mentor development teams, ensuring adherence to best coding practices and efficient project execution. Passionate about cloud-native development, performance optimization, and building secure, maintainable software solutions. Experienced in optimizing AEM performance and aligning content strategies with enterprise architecture across multi-cloud environments (AWS, Azure).

EMPLOYMENT HISTORY

Lead .NET Developer | Tech Lead | Data Engineer Technologies

TCI technologies

June 2022 — September 2025

- Led the development of enterprise applications using **.NET 8, Blazor, C#, React.js, Angular 18, TypeScript, JavaScript, HTML, CSS, Redux, and Material UI**, ensuring high performance and scalability across modern web platforms within healthcare and fintech ecosystems.
- Deployed and orchestrated **.NET microservices** on HashiCorp Nomad, leveraging its scheduling and workload orchestration to manage containerized and non-containerized applications.
- Integrated Consul for service discovery and configuration management, enabling dynamic service registration and health checks for **C# APIs** supporting claims processing, payment workflows, and healthcare data exchange.
- Architected and optimized **microservices-based applications** with a focus on cloud cost analysis, performance tuning, and security best practices, supporting high-availability deployments and modular feature delivery across AWS, Azure, and GCP environments.
- Configured database connections across SQL Server, PostgreSQL, and MySQL on AWS RDS and Azure SQL, ensuring secure connectivity, connection pooling, and optimized query performance.
- Designed and implemented **GraphQL APIs** using HotChocolate and GraphQL.NET, enabling clients to fetch tailored datasets efficiently while reducing over-fetching and under-fetching issues compared to REST, particularly for HER systems and financial transaction dashboards.
- Optimized GraphQL query performance with DataLoader, schema stitching, and query batching, and integrated authentication/authorization via JWT and ASP.NET Core policies to ensure secure, scalable access to microservices.
- Developed and implemented **WebSocket-based solutions** for real-time data streaming, providing users with instantaneous updates in applications like live dashboards, chat systems, and collaborative platforms.
- Utilized SignalR to handle WebSocket connections in .NET applications, ensuring low-latency, fault-tolerant communication between clients and services, while optimizing scalability to handle thousands of concurrent connections.
- Designed and implemented **ETL pipelines** with Azure Data Factory, integrating on-prem and cloud data sources, automating workflows, and enabling reliable, scalable data movement and transformation across analytics and reporting systems using **Python** and **AI/GenAI/ML** workflows.
- Worked extensively with ORMs such as Entity Framework Core (EF Core) and Dapper, implementing LINQ queries, migrations, eager/lazy loading, and fine-tuning queries for performance.
- Utilized query builders (LINQ in .NET, Knex.js in Node) to write optimized, maintainable queries while supporting complex filtering, sorting, and pagination requirements.
- Implemented OAuth2 and OpenID Connect (OIDC) authentication flows (Authorization Code, Client Credentials, and Implicit Grant) to secure RESTful APIs and microservices.
- Worked with the IO-Urology healthcare client to modernize their data management platform, implementing secure authentication and authorization for providers, patients, and staff.

- Designed and maintained CI/CD pipelines using GitHub Actions, Bitbucket, Bamboo, and Octopus Deploy, streamlining deployments and reducing release cycle time across multi-environment AWS, Azure, and GCP infrastructure (including Cloud Build and Cloud Deploy).
- Integrated Adobe Experience Manager (AEM) with .NET Core, **TypeScript**, **JavaScript**, **HTML**, **CSS**, and Angular.js applications to deliver dynamic, content-rich experiences across enterprise platforms.
- Used Terraform to provision and manage cloud resources including AWS (EC2, S3, Lambda, IAM, VPCs), Azure (App Services, Functions), and GCP (Compute Engine, Cloud Storage, Pub/Sub, Cloud Functions, and Spanner), ensuring reproducible and scalable infrastructure as code.
- Implemented and customized Alfresco ECM solutions to manage enterprise content, integrating with .NET-based applications for document workflows, versioning, and secure content access, enhancing collaboration and compliance across business units.
- Designed RESTful services and API layers to ensure smooth data flow between AEM and backend microservices, enabling personalized content delivery at scale.
- Developed and deployed containerized applications using Docker, Kubernetes (GKE on GCP, EKS on AWS, and AKS on Azure), Azure Functions, and Azure App Services, improving application availability, scalability, and DevOps agility.
- Integrated GCP Pub/Sub for asynchronous messaging and real-time event-driven communication between microservices, improving system decoupling and reliability.
- Leveraged Azure Databricks and GCP Dataproc/BigQuery to perform large-scale distributed data processing and analytics, supporting advanced **ML workflows** and **AI/GenAI** for real-time and batch workloads.
- Utilized Azure Synapse Analytics and GCP BigQuery for data warehousing and analytics, integrating data across cloud-based sources to deliver enterprise reporting, dashboarding, and BI solutions using **Python** and **AI/ML** techniques.
- Designed and optimized complex T-SQL queries, stored procedures, and database schemas to support high-volume transactional systems and analytics workloads, ensuring data integrity, performance, and maintainability.

Senior Software Engineer | Full-Stack Developer (.NET, Angular, React)

FocustApps LLC

July 2019 — April 2022

- Developed an internal partner compensation system, enhancing nomination processing efficiency by 30% using **Angular**, **TypeScript**, **JavaScript**, **HTML**, **CSS**, **Docker**, **SQL**, and **GCP**.
- Seamlessly integrated Adobe Experience Manager (**AEM**) with **.NET** backend services to provide dynamic and targeted web content across multiple user segments.
- Configured role-based access control (**RBAC**) and attribute-based access control (**ABAC**) within **OAuth2/OIDC frameworks** to enforce fine-grained authorization.
- Designed and deployed **GraphQL APIs** with **.NET (HotChocolate)** to unify multiple microservice endpoints into a single schema, simplifying data access and improving client-side flexibility.
- Enhanced query efficiency in GraphQL by leveraging DataLoader and schema stitching, while implementing fine-grained authorization at the field level to align with enterprise RBAC and ABAC policies.
- Enabled efficient editorial workflows by establishing communication channels between **AEM components** and **RESTful APIs**.
- Designed and developed reusable **Angular**, **Blazor**, **.NET Core**, **Node.js**, and **TypeScript** components, improving development efficiency and modularization.
- Led the integration of **OAuth2**, **OpenID Connect**, and **JWT authentication** for secure authentication across multiple platforms.
- Leveraged **Python** and **AI/GenAI/ML** workflows for analytics and automated content processing where applicable within internal systems and dashboards.

Senior Software Engineer | SharePoint & .NET Specialist

The Sunflower Lab

March 2017 — June 2019

- Developed a SharePoint 2010 application for vendor contract management, utilizing C#, SQL, SharePoint Search, jQuery, JavaScript, and ASP.NET.
- Performed critical maintenance and security enhancements on SharePoint applications, improving UI performance and compliance.

- Led the development of a SharePoint 2013 tax practice solution using SSIS, SQL, ASP.NET, AngularJS, and CSS, enhancing tax processing workflows.

Software Engineer | ASP.NET MVC & Microservices Developer

FiduciaSoft

October 2016 — March 2017

- Designed and maintained backend systems using C#, .NET, ASP.NET MVC, and microservices architecture, ensuring high availability and fault tolerance.
- Built secure merchant web applications for payment processing and account management, integrating Stripe, PayPal APIs, and OAuth2 authentication.
- Managed database projects for both on-premise and Azure cloud environments, optimizing storage and query performance.
- Provided on-call production support, resolving critical real-time issues and collaborating with cross-functional teams.
- Implemented Scrum methodologies, leading sprint planning, backlog grooming, and iterative feature releases.

EDUCATION

Bachelor of Computer Science, Texas A&M University

2012 — 2016

Accomplishments & Key Achievements

- **Optimized Application Performance:** Reduced API response time by **40%** by implementing caching strategies using Redis and optimizing SQL queries.
- **Enhanced CI/CD Pipelines:** Implemented GitHub Actions and Octopus Deploy for **automated deployments**, reducing deployment time from **3 hours to 30 minutes**.

SKILLS

Programming Languages & Frameworks:

C#, .NET, ASP.NET, .NET Core, Python, Blazor, ASP.NET MVC, ASP.NET Web API, AEM, Angular, React, GraphQL, Node.js, C++

Databases:

SQL Server, MySQL, PostgreSQL, MongoDB, Redis, Elasticsearch

Cloud & DevOps:

AWS, Azure Functions, Azure DevOps, GCP, GitHub Actions, Bitbucket, Bamboo, Octopus, Azure Data Factory, Databricks, Synapse Analytics

Frontend & UI:

HTML, CSS, JavaScript, Redux, Material UI

Tools & Technologies:

Git, Entity Framework, OAuth/OIDC, Docker, Kubernetes, Adobe, AEM