

**Jason Littleton**  
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## OVERVIEW

Senior C# .NET Developer with 10+ years of experience in building scalable, high-performance applications. Expert in ASP.NET Core, 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 — August 2025**

- Led the development of enterprise applications using .NET 8, Blazor, C#, React.js, Angular 18, Redux, and Material UI, ensuring high performance and scalability across modern web platforms.
- 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.
- 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.
- 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 and React.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.
- Designed and optimized data storage strategies using Cloud Spanner for globally distributed, strongly consistent relational data across transactional workloads.
- Implemented PeopleSoft and Workday integrations using C#/.NET and middleware tools for real-time and batch synchronization of HR, benefits, and payroll data across enterprise platforms.
- Built and consumed SOAP and REST APIs to automate onboarding/offboarding workflows, job requisition updates, compensation changes, and organizational hierarchy syncs between Workday/PeopleSoft and internal systems.
- Leveraged Azure Databricks and GCP Dataproc/BigQuery to perform large-scale distributed data processing and analytics, supporting advanced ML workflows 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.
- 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, 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.
- Built API gateways with OAuth2/OIDC integration for centralized authentication and request authorization (e.g., Kong, NGINX, or AWS API Gateway).
- Implemented a role-based access control (RBAC) system across multiple cloud-based applications (ASP.NET Core, MERN stack), ensuring secure user management.
- Enabled efficient editorial workflows by establishing communication channels between AEM components and RESTful APIs.
- Designed and developed reusable Angular, Blazor, .NET Core, and Node.js components, improving development efficiency and modularization.
- Led the integration of OAuth2, OpenID Connect, JWT authentication, and Identity Server for secure authentication across multiple platforms.
- Contributed to component design and template development within AEM to improve content reusability and publishing efficiency.

### **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, 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