Matthew Bjorkman

Full-Stack Software Engineer

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EXPERIENCE

Thatcher Technology Group — Naperville, IL
.NET Developer - New Product Development — *July 2021 - Present*

- **Microservice Architecture**: Actively developed new software in a microservice architecture utilizing user-facing RESTful API endpoints that interact with business logic asynchronously through service bus architecture.
- **Git Version Control**: Maintained source code via feature-based branching, CI/CD pipelines, and merge request-based merging.
- **MVC Framework**: Developed using the latest .NET Core MVC frameworks & Umbraco to create a web application with data sourced exclusively through API endpoints.
- **AWS Lambdas**: Implemented service bus message auditing through AWS Lambdas reading from active queues to store in a MongoDB instance, using C# reflection to separate records into distinct message type collections.
- **Repository Abstraction**: Created a repository layer to mediate code access with databases through SQL-based entities created from LLBLGen definition reverse-engineering.

Thatcher Technology Group — Naperville, IL
.NET Developer - Main Project Maintenance & Development — *July 2020 - June 2021*

- **ECommerce Platform**: Wrote and maintained a .NET Framework Web Form ECommerce application & website solution specialized for custom shopping experiences and commissions for individual sales representatives.
- **API Integration**: Collaborated with external teams and integrated with 3rd party software solutions through the design and implementation of RESTful APIs.
- **Payment Processors**: Implemented functionality for various payment processor gateways such as Nexio, Braintree, and PayPal.
- **Software Performance Analysis**: Utilized tools such as ANTS Performance Profiler to analyze code metrics and identify potential inefficiencies in database calls and code runtime resulting in load time reductions (one such case being 94%)
- **TFS Version Control**: Managed source code maintenance, merged changes, and versioned with branching utilizing Team Foundation Server version control.

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals
Transcript ID: 1329007, Access Code: MBCertificate

EDUCATION

The Ohio State University — Columbus, OH
Bachelors of Science in Computer Science & Engineering — *Aug. 2016 – May. 2020*

- **Honors**: Dean's List, Computer Graphics and Game Design Specialization
- **Activites**: Men's Band, Athletic Band, Men's Volleyball Club

PROJECTS & COMPETITIONS

- **Game Jam Competitions**: 72 hour competitions to create video games from scratch utilizing no pre-made assets.
  - **Years Participated**: 2019, 2020
  - **Technology and Languages Utilized**: C#, Unity Engine
- **FFXIV Account Search & Viewer**: .NET Core MVC Web Application utilizing external APIs & Discord OAuth2 integration to search user accounts and display their details.

PROGRAMMING SKILLS

- **Languages**: C#, Javascript, SQL, HTML

- **Technologies**: AWS, Azure, Microsoft SQL Server, .NET Framework (WebForms) & Core (MVC), React, MongoDB, Umbraco, MassTransit, ActiveMQ

- **Tools**: ANTS Performance Profiler, Postman, Fiddler, LLBLGen, Visual Studio 2017/2019, Jira, Confluence