

Adam Applegate

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Skills

Languages: C#, Typescript, HTML

Frameworks/Libraries: .NET, ASP.NET, Angular, Entity Framework, MS Test

Databases/Tools: MS SQL Server, SSMS, Stored Procedures

Misc: REST APIs, Azure DevOps, Git, LINQ, Microservices, Agile, Unit Testing

Experience

Software Engineer, National General Insurance | Longmont, CO May 2023 – Present

- Developed key app features spanning frontend to backend over various microservices, with Vue, Typescript, C#, ASP.NET and SQL Server
- Designed comprehensive tests to ensure high code quality & data integrity, increasing code coverage by 9%
- Wrote quality documentation spanning multiple teams, greatly decreasing integration time
- Provided regular production environment & deployment support
- Greatly increased app speed through upgrading various microservices from VB.NET to .NET Core
- Gathered requirements for various features and leveraged Agile to effort, prototype, and build said features, iterating rapidly while meeting customer needs

Software Engineer Intern, FamilySearch | Lehi, UT Apr 2022 – Nov 2022

- Modernized a critical production REST API that processed up to 25M requests per hour, by converting the Java app from Spring to Spring Boot
- Developed and implemented a system to reduce logs by 50% while retaining critical information
- Increased test coverage by 15%, reducing production bugs and errors
- Optimized numerous PostgreSQL database queries, increasing app speed by 8%

Student Software Engineer, BYU-I | Rexburg, ID Jan 2022 – Apr 2022

- Designed and implemented features across the full tech stack, using Angular, Typescript, C#, ASP.NET, and SQL Server while ensuring quality, data integrity, and a smooth user experience
- Collaborated with a team of 5 and leveraged Agile to increase productivity by 15% and reducing code defects by 25%

Volunteer Tutor, BYU-I | Rexburg, ID Jan 2022 – Apr 2022

- Deepened students' problem-solving methods and algorithmic thinking, giving students the foundation needed to excel

Projects

Machine Learning Web App | C#, ASP.NET, Angular, Typescript, ML.NET

- Designed app and trained an image classification algorithm using ML.NET and custom datasets to recognize images
- Leveraged CI/CD tools to deploy ML frontend and backend in the cloud

ML Dataset Image Scraper | Python, Selenium, Command Line

- Built a command line python web scraper to build and assemble image datasets for training ML models

Education

Brigham Young University - Idaho | B.S. in Software Engineering

July 2022