

Josh Hutchinson

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Summary

Resourceful software engineer with two years of industry experience in full-stack development and API integration, pursuing a bachelor's degree in software engineering at Arizona State University. Proficient in .NET, Blazor, and Agile methodologies, with a proven track record of optimizing API performance and enhancing application efficiency.

Technical Skills

Programming Languages: C#, C++, Java, Python, SQL, JavaScript/TypeScript, HTML, CSS

Frameworks and Libraries: .NET 5-8, Flask, Sveltekit, React, Blazor, NUnit, JUnit

Development Practices: Agile, CI/CD, Unit Testing

Competencies: Data Structures, Algorithms, Web Development, API Development

Tools: Azure, Git, Azure DevOps, OpenShift, Docker, Kubernetes, Vercel, PostgreSQL, Swagger, Windows, Linux

Professional Projects

Cable One, *Phoenix, AZ*

- Rewrote and migrated multiple MuleSoft APIs into ASP.NET Core APIs using .NET 8. The rewriting effort resulted in savings of \$300,000 annually, as well as offered an average of 40% increased performance compared to their MuleSoft counterparts.
- Created a web application in .NET 7 using Blazor Server that connects to existing APIs to provide the company's technical call center with more streamlined and verbose information to be able to better help customers with technical issues, as well as provide more detailed information for data reports.
- Led the migration of custom .NET apps from SharePoint to a unified App Hub developed in .NET 7 with Blazor Server and Azure Active Directory, streamlining access and improving app performance.
- Developed a UI for a custom managed file transfers API using the ASP.NET Blazor framework with Telerik UI. Users were authenticated against the company's Azure Active Directory. The UI dramatically reduced errors by 75% when creating or updating transfers between hosts.
- Developed an API in MuleSoft and updated an in-house .NET Windows application to connect to a new IVR service. The API received messages for each connected agent and propagated customer information down to the Windows application via web sockets.

Personal Projects

- Developed a personal blog, gamestechgone.com, using the Sveltekit framework. This blog implements a simple, custom authentication, serves images via a Cloudinary image CDN, and uses the Prisma library to connect to a PostgreSQL database. The blog and the database are both hosted on Vercel as serverless applications.

Professional Experience

Software Engineer I, Cable One, *Phoenix, AZ*

May 2022 – Current

- Collaborated with a team of engineers to develop, debug, and manage ASP.NET APIs hosted on OpenShift.
- Collaborated with a team of engineers to develop, debug, and manage ASP.NET MVC and Blazor web applications hosted on OpenShift and Azure.
- Worked within Azure DevOps to properly manage projects and user stories, adhering to AGILE principles.
- Created, maintained, and updated databases in Microsoft SQL Server.
- Created both classic and YAML Azure Pipelines for project CI/CD.

Software Engineer Intern, Cable One, *Phoenix, AZ*

June 2021 – May 2022

- Worked alongside software engineers to learn how to develop APIs in .NET Core and MuleSoft.
- Worked alongside software engineers to learn how to develop ASP.NET MVC and Blazor web applications.
- Worked within Azure DevOps to properly manage projects and user stories, adhering to AGILE principles.

- Queried and updated databases in Microsoft SQL Server.
- Created both classic and YAML Azure Pipelines for project CI/CD.

Learning Enhancement Facilitator, Mesa Community College, *Mesa, AZ*

January 2021 – May 2022

- Maintained a working knowledge of previous Computer Science and Mathematics courses.
- Identified problematic areas of assignments and assisted students in understanding and completing them.
- Confidently and effectively communicated complex course materials to students.

Education

Bachelor of Science: Computer Science (Software Engineering)

Arizona State University, Tempe AZ

Graduating December 2024

Associates of Science: Computer Science

Mesa Community College, Mesa AZ

Graduated December 2022

GPA: 4.0