

# Josh Hutchinson

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Mesa AZ, 85205

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## Summary

Resourceful software engineer pursuing a bachelor's degree in software engineering at Arizona State University.

- Software Engineer Intern promoted to Software Engineer I after one year of industry experience
- Ability to adapt swiftly to new languages and software architectures
- Proficient with data structures and algorithms, and multiple programming languages

## Education

**Bachelor of Science: Computer Science (Software Engineering)**

Graduating December 2024

Arizona State University, Tempe AZ

**Associates of Science: Computer Science**

Graduated December 2022

Mesa Community College, Mesa AZ

GPA: 4.0

## Technical Skills

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

Competencies: .NET 6/7, AGILE, API Development, Data Structures, Algorithms, CI/CD, Web Development

Tools: Blazor, Azure, Git, Azure DevOps, Anypoint Platform, Vercel, Netlify, NUnit, Flask, Sveltekit, MSSQL, PostgreSQL

Miscellaneous: Windows, Linux, Microsoft Office Suite

## Professional Projects

Cable One, *Phoenix, AZ*

- 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, as well as provide more detailed information for data reports.
- Led the effort to migrate multiple custom .NET apps off SharePoint and onto a unified "App Hub". The App Hub was developed in .NET 7 using Blazor Server, with authentication of multiple teams handled with Azure Active Directory. The project provided numerous performance and quality of life improvements to most of the migrated apps, and additionally became the primary directory to find and access internally linked and externally linked company applications.
- Developed a UI for a custom managed file transfers API using the ASP.NET Blazor framework with Telerik UI. Users of the UI were authenticated against the company's Azure Active Directory. Originally, all requests to add, edit, or delete transfers had to be done through a raw API request. The UI dramatically reduced errors when creating a new transfer 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.
- Contributed data-syncing services from Workday to Oracle via a MuleSoft API to reduce manual sync labor and increase productivity of HR associates.

## Personal Projects

- Developed a personal blog, [gamestechgone.com](http://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.
- Developed a 2D game in Python, implementing the PyGame library and object-oriented design to create a game based on decrypting ciphers while dodging obstacles.
- Developed 3D Tic-Tac-Toe, along with an AI opponent, implemented within the functional programming paradigm.

## Professional Experience

**Software Engineer I**, Cable One, *Phoenix, AZ* May 2022 – Current

- Work on a small team of engineers to develop, debug, and manage APIs in .NET Core and MuleSoft.
- Work on a small team of engineers to develop, debug, and manage ASP.NET MVC and Blazor web applications.
- Work within Azure DevOps to properly manage projects and user stories, adhering to AGILE principles.
- Create, maintain, and update databases in Microsoft SQL Server.
- Create both classic and YAML Azure Pipelines for project CI/CD.

**Software Engineer Intern**, Cable One, *Phoenix, AZ* June 2021 – May 2022

- Work alongside software engineers to learn how to develop APIs in .NET Core and MuleSoft.
- Work alongside software engineers to learn how to develop ASP.NET MVC and Blazor web applications.
- Work within Azure DevOps to properly manage projects and user stories, adhering to AGILE principles.
- Query and update databases in Microsoft SQL Server.
- Create both classic and YAML Azure Pipelines for project CI/CD.

**Learning Enhancement Facilitator**, Mesa Community College, *Mesa, AZ* January 2021 – May 2022

- Maintain a working knowledge of previous Computer Science and Mathematics courses.
- Identify problematic areas of assignments and assist students in understanding and completing them.
- Confidently and effectively communicate complex course materials to students.

**Entertainment Associate/Personal Shopper**, Walmart, *Mesa, AZ* August 2015 – May 2022

- Prioritize daily tasks and communicate them to other team members.
- Troubleshoot hardware and software issues for cellphones, laptops, and tablets.
- Handle exchange of money and goods with integrity and accuracy.