

Josh Hutchinson

Mesa, AZ 85204

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Technical Skills

Programming Languages: C# | Python | Java | Kotlin | Golang | SQL | C++ | JavaScript | HTML | CSS

Frameworks and Libraries: ASP.NET Core | Flask | Next.js | Airflow | React | TensorFlow | Spring Boot

Cloud and Tools: GCP | Azure | AWS | SQL Server | PostgreSQL | OpenShift | Docker | Kubernetes | Airflow | Serverless | Git

Skills: Data Structures | Algorithms | API Design | Microservices | Design Patterns | Distributed Systems | CI/CD | Unit Testing

Projects

- Compared third-party and in-house software solutions in React for a financial dashboard at **American Express**, concluding in a decision that saved the team hundreds of hours and thousands of dollars.
- Automated a custom deployment pipeline at **American Express**, reducing deployment time for an Airflow application from 3 hours to 20 minutes.
- Enhanced **Cable One's** outage tracking application, increasing granularity and accuracy of outage detection by 10x.
- Co-led the rewrite and migration of all legacy MuleSoft APIs into ASP.NET Core APIs using .NET 8 at **Cable One**, saving \$300,000 annually and improving performance by 40%.
- Redesigned **Cable One's** channel packages system, halving the database size and improving response time by 30%.
- Developed and deployed a full-stack .NET 7 and SQL Server application, enhancing UI consistency, improving data reporting, and reducing average call length by 10% for **Cable One's** technical call center.
- Overhauled **Cable One's** desktop application for CSRs to receive real-time customer information via web sockets from a custom API solution that handles hundreds of concurrent agents per day.
- Pioneered an API to sync **Cable One's** ERP and HR employee data, automating tasks that previously took an entire workday into a process completed in under five minutes.

Professional Experience

Software Engineer II — **American Express** | *Phoenix, AZ*

June 2025 – Present

- Guided teams in adopting architectural and design best practices through extensive cross-team collaboration.
- Created proof-of-concept solutions to shape project decisions and tooling standards for dozens of internal teams.

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

May 2022 – June 2025

- Developed and maintained scalable, secure ASP.NET APIs and Blazor web applications deployed to OpenShift and Azure that are used by thousands of employees.
- Managed and optimized key databases in Microsoft SQL Server impacting over 1 million customers.
- Contributed to the code review process across a large enterprise codebase (C#, Python, JavaScript), reducing post-deployment bugs and improving unit test coverage to 70% by standardizing review practices.

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

June 2021 – May 2022

- Collaborated with senior software engineers to develop APIs in ASP.NET Core and Blazor web applications.
- Designed a Blazor web application for a critical file transfer API that significantly reduced time required to create or modify managed file transfers.

Education

Master of Science: Computer Science

Graduated August 2025

Arizona State University, *Tempe AZ*

GPA: 4.26

Bachelor of Science: Computer Science (Software Engineering)

Graduated December 2024

Arizona State University, *Tempe AZ*

GPA: 4.14

Awards

Graduate Convocation Speaker

December 2025

Arizona State University, *Tempe AZ*

Outstanding Undergraduate Student (Computer Science)

December 2024

Arizona State University, *Tempe AZ*