

# Michael Keen

Software Engineer

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Greenfield, IN

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Portfolio Website:

<https://www.michaeljkeen.com>

## EDUCATION

**AUG 2017 - MAY 2021**

B.S. Computer Science

Ball State University

Muncie, IN

## SKILLS

- C#/.NET
- JavaScript (Vue.js, jQuery)
- SQL (PostgreSQL, T-SQL)
- HTML5/CSS
- AWS
- Docker
- Unix
- Git

## WORK EXPERIENCE

**FEB 2022 - Current**

Software Developer

Cheetah Inc., Muncie, IN

- Led the development effort to migrate a large, legacy ASP.NET web application from .NET Framework to modern .NET, refactoring the code to eliminate obsolete APIs and streamline future development in the interest of maintainability.
- Lead developer for a high-priority, major feature initiative in investments suite that delivered an improved user experience by aligning with expected outcomes, with zero post-deployment issues to date. Utilized a unit test-based approach for testing, which saw the system's unit test count increase by 60%.
- Promoted to Technical Team Lead after two years with the team, advocating for system architecture, modernization, and technical debt maintenance.
- Worked on new features, bug fixes, and performance improvements in an enterprise wealth management system that processes millions of financial records per year.

**AUG 2021 - DEC 2021**

Graduate Research Assistant

Purdue University, West Lafayette, IN

- Worked on CYMANII research team that included Dr. Dongyan Xu and Dr. Ananth Grama.
- Set up backend infrastructure for project, which consisted of installing HUBzero CMS on CentOS server and adding custom components.
- Wrote and maintained setup documentation following good documentation practices.
- Attended weekly meetings to discuss progress and clarify steps for upcoming tasks.

## PROJECTS

Portfolio Website

- Built a portfolio website to showcase academic and professional accomplishments.
- Website is comprised of a Vue.js application and an ASP.NET Core web API, along with a PostgreSQL database and containerization using Docker.
- Hosted on Amazon Web Services via EC2, ECS, and Route 53 services