








# ZACH NICHOLS

Software Developer

## OBJECTIVE

I am a driven, reliable, and creative software developer seeking to apply my proven skills in C#, ASP.NET, and SQL to deliver unique solutions for a software development company.

## CONTACT INFORMATION

-  Fishers, IN
-  317-460-6917
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## TECHNICAL SKILLS

LANGUAGES: C# • ASP.NET • SQL  
CLOUD TECH: Azure • GitHub  
CI/CD: Agile • Scrum • Git  
DATABASE/ORM: SQL Server  
Relational Databases  
Entity Framework  
WEB TECH: HTML • CSS • APIs •  
MVC Responsive Web Design  
Bootstrap  
TESTING TOOLS: MSTest

## EDUCATION

**Software Development Immersive Learning Certification** (Feb 2022)  
Eleven Fifty Academy, Indianapolis, IN

- Core Value Award - Leadership

**M.S. in Engineering Management** (May 2018)  
Purdue University, West Lafayette, IN

**B.S. in Civil Engineering with Highest Distinction** (May 2017)  
Purdue University, West Lafayette, IN

## PROFESSIONAL EXPERIENCE

**Mechanical Engineer** (May 2018-Oct 2021)

Mussett Nicholas & Associates, Indianapolis, IN

- Spearheaded steam distribution design for engine manufacturing campus through turnkey operation, employed pipe stress analysis, and executed on-site construction administration and quality assurance.
- Collaborated with multi-firm design team to deliver expedited designs for pharmaceutical formulation suite as part of Operation Warp Speed and headed controls sequencing and validation documentation.
- Forged strong ties and secured repeat business with Fortune 500 clients and the U.S. government.

**Mechanical Engineering Graduate Intern** (May 2017-Aug 2017)

Mussett Nicholas & Associates, Indianapolis, IN

- Identified opportunities for cost savings through data-driven analysis of commercial water usage and quantified improvements to building gas consumption.

**Mechanical Engineering Intern** (May 2016-Aug 2016)

Affiliated Engineers, Inc., Madison, WI

**Mechanical Engineering Intern** (May 2015-Aug 2015)

Mussett Nicholas & Associates, Indianapolis, IN

**Transportation Engineering Intern** (May 2014-Jan 2015)

Michael Baker Jr., Inc., Indianapolis, IN

## TECHNICAL PROJECTS

**BeeGifted Gift Registry Website**

ASP.NET app using MVC and N-tier architecture to deliver an all-occasion gift registry experience. See my work [here](#).

**Dungeons & Dragons Character Creator**

ASP.NET API and console app that digitally supports character creation in the popular roleplaying game. See my work [here](#).



My Portfolio

Problem Solving • Visual Communication • Customer Service  
Critical Observation & Thinking • Troubleshooting • Creativity  
Portfolio Development • Agile Methodology • Organization  
Addressing & Resolving Business Challenges • Creativity