



# 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

- 317-460-6917
- ZNichols1131@gmail.com
- linkedin.com/in/NicholsZach
- github.com/ZNichols1131

## 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 Cert.** (Feb 2022)  
Eleven Fifty Academy, Indianapolis, IN  
Core Value Award - Leadership
- Master of Science in Engineering Management** (May 2018)  
Purdue University, West Lafayette, IN
- Bachelor of Science in Civil Engineering** (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

## 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