

# Marcus Schimizzi

## Software Engineer

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Dynamic Software Engineer with 5+ years' experience designing and developing innovative tools, web applications, and user interfaces. Accomplished developer with a track record of enhancing user engagement, increasing productivity, and driving long-term customer satisfaction. Continual learner with a bachelor's degree in computer science and a passion for leveraging cutting-edge technologies. Adept at fostering teamwork and delivering high-quality solutions within fast-paced environments.

### CORE COMPETENCIES & TECHNICAL SKILLS

**Core Expertise:** Software/API Development & Testing, Data Structures & Algorithms, Problem-Solving, Agile Methodologies, Database Management, Web Development, Software Testing, User Experience (UX) & System Design, Project Management, Communication, Code Quality & Review, Performance Optimization, Cross-Functional Collaboration, Team Leadership

**Programming Languages & Frameworks:** Golang, Python, TypeScript, D3.js, Express, NodeJs, React, Vue

**DevOps & Version Control:** Docker, Jenkins, Git

### PROFESSIONAL EXPERIENCE

#### SOFTWARE DEVELOPMENT ENGINEER | Qualtrics

August 2019 - March 2024

- Oversaw maintenance and advancement of a data visualization library using D3 and JavaScript, amplifying platform dashboard functionality for tens of thousands of daily users
- Collaborated with UX team to redesign word cloud visualization and implemented new word placement algorithm, launching it on schedule with over 90% customer adoption and high satisfaction ratings, increasing user engagement
- Built and delivered generative AI summary widget within quarter, enhancing dashboard utility, boosting user interaction levels, and ultimately elevating customer satisfaction and product desirability
- Modernized build and testing stack, added parallelization of visual tests, and implemented automatic retry logic, increasing productivity by reducing build and test pipeline duration by factor of 10
- Developed internal platform similar to JSFiddle for testing and sharing D3 code, enabling dozens of engineers to collaborate more effectively and improving cross-functional efficiency with UX and PM teams

#### WEB DEVELOPER (FREELANCE) | Self-Employed

May 2017 - August 2019

- Crafted dynamic websites and applications using React, Angular, and Vue frameworks, consistently delivering projects on time and within budget, resulting in high client satisfaction
- Designed and developed new landing page for web management customer, significantly improving visitor engagement and increasing prospective client interest and conversion rates

#### SOFTWARE DEVELOPER (INTERNSHIP) | Ford Motor Company

May 2018 - August 2018

- Developed two web applications with Java, Spring Boot, and Angular, while utilizing Agile methodologies, CI/CD pipelines, and test-driven development, augmenting software quality and efficiency
- Created proof of concept for product to track customers' driving habits and promote safer vehicle use, winning Ford's Intern Innovation Challenge award for most unique idea among 50+ interns

### PROJECTS

#### Polititrack

- Designed app to track polling and campaign events throughout 2020 US Presidential Election using Vue, enhancing information accessibility for users

#### Simudraft

- Created web app for conducting custom mock drafts with Vue and Vuetify, simplifying draft processes for users

### EDUCATION

Bachelor of Science in Computer Science, University of Notre Dame