

Tim McCabe

Portfolio – <https://timmcca.be>

me@timmcca.be

Creative problem solver with 3 years of professional full-stack engineering experience and 10 years of self-teaching software development. Key skills include React, Angular, C#, Java, and SQL.

Experience

Software Engineer – Khan Academy, Remote

Dec 2021–Present

Software Developer – Callibrity, Blue Ash, OH

May 2021–Dec 2021

- **Technologies:** React Native | Expo | C# | Angular | PostgreSQL | Azure | Git | Java | React
- Mobile developer for highly scalable white-label freight logistics system valued at \$40M/year targeting 10M shipments/year
- Drove adoption of testing using React Native Testing Library, bringing untested app to 87% code coverage
- Identified a vulnerability in our authentication system, constructed a mathematical model to analyze the risk of compromise, and proposed mitigation solutions
- Championed responsive, user-friendly UX and crafted new UI approach that delighted the client
- Advocated for domain-driven design and proposed solutions to modeling challenges
- Created pipeline to ensure code quality and automate deployment, shaving 10min of effort off each deploy

Software Development Intern – Worldpay from FIS, Cincinnati, OH

May 2019–Apr 2021

- **Technologies:** Java | Spring Boot | Angular | Ionic | SQL Server | DB2 | Maven | Git
- Led development of the framework for modernizing an analytics site used by Fortune 500 companies, reducing server startup time by ~90% and increasing development rate by ~100%
- Mentored teammates on the implementation of a service-oriented architecture
- Discovered and resolved a privilege escalation vulnerability, averting the potential loss of ~\$5.5M
- Initiated the development of a library to integrate legacy code with a Redis session store, enabling coexistence during migration

Software Development Co-op – Siemens PLM Software, Milford, OH

Jan 2018–Dec 2018

- **Technologies:** Java | Node.js | C# | AngularJS | MongoDB | Git
- Set up a Node.js server to coordinate test runs and store ~250 test cases and results
- Initiated and implemented a redesign of a Chrome extension to focus on simplicity and clarity
- Enhanced and expanded a suite of over 100 Selenium automated tests, reducing false failures by ~80%

IT Support – Crisis Intervention and Recovery Center, Canton, OH

Jun 2016–Aug 2017

- Started volunteering in 2014 to fix technical issues, allowing healthcare providers more time with patients
- Promoted to employee status after receiving “Volunteer of the Year” for two years of commitment
- Trained 30 healthcare providers on the new electronic health record (EHR) system
- Co-authored training materials and EHR best practices with mental health professionals

Education

University of Cincinnati – BS in Computer Science, BA in Mathematics

Magna Cum Laude, University Honors Program, National Merit Scholar