

Michael Dykema

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SKILLS

Languages: C#, SQL, JavaScript, TypeScript, HTML, CSS, Python

Technologies: React, Next.js, .NET Framework, EntityFramework, NoSQL, Node.js, Azure

Other: Agile, MVC, SDLC, DevOps

EXPERIENCE

Auto-Owners Insurance

Aug 2022 – Present

Software Engineer

- Implemented automated deployments, first with Bash scripts then with Azure Pipelines, reducing deployment times by 90% and eliminating configuration issues.
- Designed data purging microservice, reducing database storage by 38%.
- Volunteered to temporarily join project upgrading and reskinning JavaScript SaaS application after hole was left by team member departure.
- Assisted in architecting and planning automated regression testing of agent website.
- Mentored new hires, junior developers, and learned tools to assist others.

AvaSure (Medical Tech)

Feb 2018 – Aug 2022

Software Engineer in Test

- Developed algorithm to load-balance testing resources across machines, increasing resource utilization by 60% and reducing testing times by 25%.
 - Designed .NET API to coordinate the running of tests sharing a server, automatically update configurations and software versions, and optimize testing order.
 - Built React website for reporting, resource management, and entering results.
 - Created suite of SSRS reports to track testing metrics including resource usage, pass/fail discrepancies, and test coverage.
 - Automated bug ticket creation/closing for tests, streamlining the workload of QA.
 - Created tool to version, parse, and update project requirements, replacing error-prone manual process and increasing developer efficiency.
 - Joined team as intern and subsequently hired full-time upon internship completion while pursuing degree completion.
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EDUCATION

Grand Valley State University (Allendale, MI)

2022

Bachelor of Science in Computer Science