

Maxwell Zawisa

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SUMMARY

Senior software engineer with 5+ years building distributed, event-driven systems and full-stack platforms. Designs and operates Angular and .NET services across AWS and on-premises environments, improving reliability, performance, and maintainability of business-critical systems.

EXPERIENCE

Rocket Close (formerly Amrock)

Detroit, MI

Senior Software Engineer I (Platform Engineering)

June 2025 – Present

Software Engineer II

February 2024 – June 2025

Software Engineer I

December 2022 – February 2024

- Lead full-stack design, development, and operational ownership of an internal work-distribution platform serving **~270 daily and ~400 weekly active operations users**.
- Redesigned assignment processing from polling to an event-driven architecture using NServiceBus, RabbitMQ, Redis, and PostgreSQL, reducing propagation of assignment configuration changes from up to **one hour to near-real time**.
- **Reduced baseline database CPU utilization from approximately 50% to 20%**, eliminated spikes approaching 100%, and avoided the need to scale database infrastructure.
- Build and operate asynchronous workflows **processing more than 13k new work items per day**, including peak days exceeding 35k items and more than 5 million production work items since January 2024.
- Maintain a shared Angular micro-frontend platform spanning **14 applications and 7 teams**, including Module Federation infrastructure, shared components, and CI/CD templates that standardize new-application delivery.
- Founding member of a cross-team initiative to modernize a .NET Framework monolith containing more than 10 million lines of code; mapped legacy dependencies, consolidated internal package versions, and defined an upgrade plan for the next framework version.
- Own technical discovery with product management: refine upcoming work, identify implementation risks, write technical and maintenance stories, and prepare features for team planning.
- Mentor engineers through onboarding, code reviews, and pair programming, including an intern who successfully transitioned into a full-time engineering role on another team.

Associate Software Engineer (Closing Integrations)

June 2021 – December 2022

- Delivered features and production fixes in a .NET Framework monolith supporting closing integrations, including business logic that enabled in-person paperless closings in multiple states.

EDUCATION

University of Michigan

Ann Arbor, MI

B.S.E. Computer Science Engineering, *magna cum laude*

2021

SKILLS

Languages, Frameworks & Testing: C#, .NET, TypeScript, Angular, NgRx, RxJS, xUnit, Jest, Cypress

Data & Messaging: SQL, PostgreSQL, SQL Server, Entity Framework, Dapper, Redis, RabbitMQ, NServiceBus, SignalR, WebSockets

Cloud & Delivery: AWS, Terraform, Docker, Kubernetes, Rancher, Git, Azure DevOps, CI/CD

Architecture: Distributed systems, event-driven architecture,DDD, CQRS, REST APIs

PROJECTS

Desk Control

2026

- Reverse engineered a sit-stand desk's serial height protocol and built ESP8266 firmware to control it via a REST API and add presence-aware sit/stand automation.
- Built an Angular PWA to control my desk from my phone or computer.