

Andrei Drozzhin

Software Engineer

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KEY ACHIEVEMENTS

- Built a new monitoring dashboard for high-volume data; reduced page load from 10+ seconds to < 1 second via lazy loading, server-side pagination/filtering, and caching.
- Built reusable Angular patterns (forms, table loading states, error handling, RxJS utilities) that reduced new screen build time by 30% and kept UI behavior consistent across Angular and ReactJS/NextJS features.
- Introduced an AI-assisted dev playbook (Copilot + LLM review + Markdown guardrails) that made scaffolding/refactors 2x faster and reduced review churn by 25% while maintaining test coverage.
- Helped align .NET/C# endpoints on consistent validation and error responses (shared error format + input checks), reducing integration issues by 25% and cutting time-to-RCA by 2x.

SKILLS

Angular | TypeScript | JavaScript | RxJS | Reactive Forms | Angular Routing | HTML | CSS | ReactJS | React Native | NextJS | .NET | C# | REST APIs | SQL | Node.js | Git | GitHub | GitHub Actions | Azure DevOps | Azure App Service | Databricks | CI/CD | AWS | GitHub Copilot | ChatGPT | Claude | Gemini | Cypress | Postman | Newman | JUnit | JIRA | Elasticsearch | Kibana | Java |

PROFESSIONAL EXPERIENCE

R1 - Healthcare RCM Technology

Murray, UT

Software Engineer III (Full Stack)

January 2025 – February 2026

- Delivered Angular/TypeScript (Reactive Forms, routing, RxJS) and ReactJS/NextJS for enterprise web applications, cutting workflow time by 25%.
- Built .NET/C# REST APIs for create/update/approve flows with validation + business rules; reduced API waits from seconds to sub-second in common paths using query tuning and caching.
- Accelerated delivery using GitHub Copilot and ChatGPT for scaffolding, refactors, and unit tests; also leveraged Claude/Gemini/GPT models for design options and code review, making story delivery about 1.5x faster.
- Applied prompt engineering and created Markdown-based instructions to guide AI coding agents (repo conventions, patterns, guardrails), improving output quality and reducing rework by 25%.
- Deployed and supported releases via Azure DevOps and Azure App Service; partnered on environment configs, health checks, and incident triage using Grafana/Kibana and AWS services.

Software Engineer III (QA Automation)

January 2024 – January 2025

- Built Postman/Newman API regression in GitHub Actions with JSON/HTML reports and CSV inputs, cutting effort by 90%.
- Used Copilot + LLMs to speed Node.js CI/report automation and edge-case testing, doubling regression throughput.
- Wrote Node.js parsers to generate per-account XLSX summaries, making triage 2x faster and roughly tripling traceability.
- Added automated error rollups and run-delta checks, preventing 10+ major regressions from shipping.
- Expanded coverage with Cypress UI plus Selenium/SQL checks, increasing E2E coverage by 40% and reducing escapes by 30% across web and React Native flows.

Cowbell Cyber - Cyber Insurance

Pleasanton, CA

Software Engineer in Test

March 2022 – January 2024

- Delivered 5 major projects, roughly tripling end-user satisfaction, and strengthened defect triage to cut resolution time by 30% while sustaining consistent on-time delivery.
- Built a Selenium WebDriver + TestNG Java framework (POM/Maven), making test execution about 2x faster
- Expanded Cypress (JavaScript) UI automation, making regression stability about 1.5x stronger.

eClinicalWorks - Healthcare Software Development

Westborough, MA

QA Automation Engineer

March 2019 – February 2022

- Improved test coverage by 30% using Selenium WebDriver, Java, and Cucumber.
- Applied POM design pattern, reducing script maintenance by 40% and making components about 2x more reusable

EDUCATION

- Baltic State Technical University, Master's Degree
- Syntax Technologies, Coding bootcamp