

Jonathan Nicholas

Senior Software Engineer & Technical Lead
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SUMMARY

Senior Front-End Engineer with 10+ years of experience delivering enterprise Angular apps and leading architecture, CI/CD automation, and reusable UI design. Known for improving release quality, integrating AI tools (Copilot, ChatGPT), and driving measurable gains in performance and usability across large-scale platforms. Quick to adapt to new frameworks and technologies with strong engineering fundamentals and a focus on scalable front-end architecture.

SKILLS

Languages & Frameworks:

Angular (v1–19), JavaScript, TypeScript, HTML, CSS, Sass,
React Native, Tailwind CSS, Next.js (exploring via side projects)

Tooling & DevOps:

Concourse, GitHub Actions, AWS S3, CodePipeline, Harness, Git, GitHub, Jira

Testing & Quality:

Custom integration testing strategies, Jasmine, SonarQube, PR validations, security scanning

Content & Monitoring:

Contentful, Tridion, Splunk, REST APIs, OpenAPI, Apigee

AI & Productivity:

GitHub Copilot, ChatGPT, Agentic AI (autonomous dev workflows), Agile/Scrum workflows

EXPERIENCE

Nationwide Insurance – Columbus, OH

2016 – Present

● Consultant Software Engineer & Technical Lead - May 2021 – Present

- Led several Angular upgrades from v12 to v19 and maintained component architecture across apps. Mentored teams and aligned practices through CI/CD sessions and upgrade overviews.
- Built document retrieval components that handle their own API calls, supporting ID cards, billing statements, and Apple Wallet integration across apps.
- Migrated CI workflows from Concourse to GitHub Actions. Implemented automated PR checks and zero-downtime releases via S3 buckets and AWS CodePipeline.
- Championed Copilot and ChatGPT for faster test writing and debugging. Served in org-wide AI focus groups exploring Agentic AI and developer efficiency.
- Increased policy change success rates from 89 to 95 percent and ID card retrieval to 99 percent by improving logging, optimizing navigation, and refining error alerts.

- Replaced legacy message broker with a lightweight routing solution to enable server decommissioning.
- Delivered Apple Wallet integration, policy renewal dashboards, and web UX redesigns to reduce user abandonment and streamline policy servicing.
- **Specialist Software Engineer & Technical Lead** - *December 2017 – May 2021*
 - Took over as team lead for 8–10 developers. Led architecture, estimation, CI/CD, and delivery planning across web and mobile policy servicing platforms.
 - Directed AngularJS to Angular 4 migration in 3 months. Rebuilt the coverage page with full API integration and mentored teammates through frontend/backend coordination.
 - Created component standards and a service-based state pattern chosen over NgRx for simplicity and testability. Comfortable supporting apps that use NgRx.
 - Built Nationwide's first Concourse CI/CD pipeline with S3-based zero-downtime deployments. Established checklist-based releases and automated quality checks.
 - Introduced a tailored unit testing strategy for integration-heavy flows. Improved early defect detection and production stability with pre-deployment validation.
 - Extracted shared components and services reused across multiple apps, including a mobile Ionic app, improving consistency and reducing duplication.
 - Refactored shared Apigee proxy to support multiple products and enable zero-downtime deployments using a router proxy strategy.
- **Senior Software Engineer** - *April 2016 – December 2017*
 - Developed key AngularJS features for a new insurance servicing platform. Owned the complex coverage page with integrated APIs for policy display and change flows.
 - Designed CMS data models and JSON structures for dynamic content delivery using Tridion, supporting a customer-facing policy preview experience.
 - Maintained project momentum as sole developer during a 3-month pause. Later supported onboarding and architecture refinement as the team scaled up.

KMI Learning – Columbus, OH

Web Developer - *February 2011 – April 2016*

- Built interactive e-learning courses for enterprise clients using a custom JavaScript framework with CreateJS and SCORM. Designed reusable architecture for animations and assessments.
- Created quiz and animation templates used by other developers and collaborated directly with clients to refine course functionality and meet training goals.

EDUCATION

Bachelor of Communication Science, Ohio University

Minor in Computer Science | Focus: Animation & Game Development