Anthony Tabano

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Senior Software Engineer with 12+ years of experience translating complex requirements into mission-critical solutions. Expertise includes defining architectural roadmaps and delivering scalable solutions using Java, Spring Boot, and TypeScript in cloud-native environments. My background in Aerospace Engineering provides a rigorous, methodical approach to solving challenges in demanding, high-stakes environments.

Technical Expertise

BACKEND	Java (11+), Spring Boot, Spring Framework (Core, Security, Batch), GraphQL, REST APIs, Apache Camel
FRONTEND	TypeScript, Angular (11+), Next.js, Nx/Turborepo Monorepos, Single-SPA Micro-frontends, RxJS, NgRx, Storybook
DATA & MESSAGING	PostgreSQL, SQL Server, MongoDB, Redis, Kafka, RabbitMQ, AWS SQS
CLOUD & DEVOPS	Kubernetes (K8s), Docker, Helm, GitHub Actions, Azure DevOps (Pipelines), AWS, Azure, Datadog
ADDITIONAL	Python, NestJS, Node.js, Cypress, Playwright, JUnit, Mockito, Webpack

Professional Experience

Senior Software Engineer & Manager

buildit • Remote   *Jan 2022 – Present*

Client Engagement: Senior Software Engineer at Fortune 10 Healthcare

- Pioneered the client's first Nx monorepo from concept to rollout, scaling to 150+ shared libraries and establishing a modern UI ecosystem that ensured a more stable and predictable release cycle.
- Introduced Single-SPA parcels to transform legacy frontend modules into on-demand, dynamically loaded components, an architectural shift that significantly improved key application performance metrics.
- Built high-performance Java APIs to power core business functions, including the enterprise rules and dynamic questionnaire engines, enabling new self-service capabilities for business users.
- Engineered production-grade CI/CD pipelines from scratch using GitHub Actions, Helm and Kubernetes, replacing a high-risk manual process and enabling consistent, zero-downtime releases.
- Managed a team of engineering managers and senior engineers, owning career development and reviews, while remaining fully billable as a hands-on Senior Engineer on the client engagement.

Senior Software Engineer

iptiQ by Swiss Re • Armonk, NY (Hybrid)   *Aug 2020 – Jan 2022*

- Led international team of 8 engineers to design and deliver core B2B2C life insurance sales SDKs (Spring Boot, Angular) enabling third-party platforms to seamlessly integrate and distribute life insurance products

to their customers.
- Enhanced existing event-driven microservices platform using RabbitMQ and Kubernetes, significantly improving system resilience and uptime for high-traffic partnerships.
- Spearheaded multi-quarter modernization of 10+ legacy applications, upgrading Angular 8→12 and Spring Boot 2.1→2.5 to eliminate critical technical debt and resolve 50+ security vulnerabilities.
- Defined the engineering department's Git branching strategy and built and scaled automated CI/CD pipelines in Azure DevOps supporting 100+ engineers to establish standardized release processes across multiple product lines.

Senior Software Engineer

AutoNation • White Plains, NY   *Jan 2019 – Aug 2020*

- Replaced a legacy inventory ERP with a multithreaded Spring Batch application, reducing nightly data synchronization for 300+ dealerships from 5+ hours to under 15 minutes.
- Led end-to-end integration of a major third-party parts supplier, creating a critical e-commerce channel with new architecture, inventory sync and frontend product visualization.
- Built scalable RESTful microservices using Apache Camel, Spring Boot, Azure API Management, AWS, and SQS messaging to streamline labor and parts data retrieval, enhancing system responsiveness and delivering new taxonomy-driven features.

Software Engineer & Supervisor

Teachers College, Columbia University • New York, NY   *Dec 2016 – Jan 2019*

- Built and deployed a financial automation tool integrated with the Banner ERP system, eliminating 40+ hours of manual data entry and reconciliation per month.
- Delivered a tuition benefits payment platform as sole engineer with Spring Boot and Angular; owning the full lifecycle from stakeholder discovery and architecture to university-wide rollout.
- Supervised a small team of data analysts and created a SQL training program, enabling self-service reporting and significantly reducing IT support requests.

Aerospace & Software Engineer (Multiple Roles)

Sikorsky, a Lockheed Martin Company • Stratford, CT   *Aug 2013 – Dec 2016*

- **Software Engineer:** Transitioned from aerospace to software by [initially] self-learning C#, Python and SQL to build data processing and automation tools, saving thousands of engineering hours annually.
- **Aerospace Engineer:** Analyzed flight computer telemetry and aircraft sensor data to predict component failures on critical systems with 1+ year lead times (e.g., gearboxes), preventing costly downtime by aligning supply chains with maintenance and design improvements for CH-53K and S-92 programs.

Education

Master of Science, Computer Science   **Sacred Heart University**

Bachelor of Science, Aerospace Engineering   **Embry-Riddle Aeronautical University**

Bachelor of Science, Management   **SUNY Morrisville**