Anthony Tabano

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Senior Software Engineer with 12+ years of experience translating complex requirements into mission-critical solutions. Expert in 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, Elasticsearch
FRONTEND	HTML5/CSS3, 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, Jenkins
ADDITIONAL	Python, NestJS, Node.js, C#, Cypress, Playwright, JUnit, Mockito, Webpack, Bash, Git

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.

- Transformed legacy frontend modules into on-demand, dynamically loaded components by introducing Single-SPA parcels, 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 3 engineering managers and their 15 indirect reports, owning career development and performance 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 an international team of 8 engineers to design and deliver core B2B2C life insurance sales SDKs, enabling third-party platforms to seamlessly integrate products to their customers using Spring Boot and Angular.

- Improved system resilience and uptime for high-traffic partnerships by enhancing an event-driven microservices platform with RabbitMQ and Kubernetes.
- 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+ high-security vulnerabilities.
- Defined the engineering department's Git branching strategy and scaled automated CI/CD pipelines in Azure DevOps for 100+ engineers, establishing standardized release processes across multiple product lines.

Senior Software Engineer

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

- Reduced nightly data synchronization for 300+ dealerships from over 5 hours to under 15 minutes by replacing a legacy inventory SFTP ETL with a multithreaded Spring Batch application.
- Led the end-to-end integration of a major third-party parts supplier, enabling seamless e-commerce operations with new architecture, inventory sync and frontend product visualization.
- Streamlined labor and parts data retrieval by building scalable RESTful microservices with Apache Camel, Spring Boot and AWS SQS, enhancing system responsiveness and delivering new taxonomy-driven features.

Software Engineer & Supervisor

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

- Eliminated 40+ hours of manual data entry and reconciliation per month by building and deploying a financial automation tool integrated with the Banner ERP system.
- Delivered a tuition benefits payment platform as the sole engineer using 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 to Present*

- **Software Engineer:** Developed C# applications that automated gantt chart and status exports, streamlining program reporting workflows. Built Oracle PL/SQL analytics solutions and automated Weibull-based demand forecasting for critical parts inventory. Analyzed HUMS data and flight computer telemetry to predict component lifecycles and optimize maintenance schedules. Created interactive Tableau dashboards and performed predictive statistical analysis with SPSS and JMP.
- **Aerospace Engineer:** Planned and executed component testing protocols on flight test aircraft, ensuring critical transmission systems met performance specifications. Designed assemblies in CATIA and managed configuration changes through MatrixOne release systems. Coordinated with cross-functional teams to resolve engineering issues and maintain delivery schedules.

Education

Master of Science, Computer Science (3.981 gpa)	Sacred Heart University
Bachelor of Science, Aerospace Engineering	Embry-Riddle Aeronautical University
Bachelor of Business Administration	SUNY Morrisville
Pilot License	Federal Aviation Administration