

Danielle Shokrian

Software Engineer

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New York

Early-career Software Engineer with a strong foundation in full-stack development, systems thinking, and data-driven problem solving. Seeking a role where I can build scalable, user-focused applications, contribute to production-grade systems, and leverage **AI integrations and automation** to create smarter, more efficient products at the intersection of technology, creativity, and real-world business needs.

Education

Hofstra University 2021 - 2025

Bachelor of Science Education, Music Specialization, Minor in Information Systems

GPA: 3.98

The Flatiron School 2025

Software Engineering Bootcamp

Work Experience

Clarinet/Saxophone Tutor 2021 - Present

- Developed tailored clarinet and saxophone lesson plans that strengthened tone, breath support, and rhythmic skills, and guided students through successful preparation for the NYSSMA solo festival.

Streaming and Playlisting Intern Jun 2024 - Sep 2024

Primary Wave | New York, NY

- Conducted platform analytics for 25+ artists across Spotify, YouTube, and Amazon Music, tracking 50M+ monthly streams.
- Increased artist engagement by 30% through strategic metadata optimization.
- Created and managed 40+ playlists generating 100K+ cumulative streams.
- Delivered quarterly reports analyzing streaming trends, informing executive strategy decisions.

Information Systems Intern May 2023 - Sep 2023

Metropolitan Opera at Lincoln Center | New York, NY

- Provided technical support for 150+ staff members across Windows and macOS systems, resolving 95% of tickets within 24 hours.
- Reduced average system downtime by 40% through proactive maintenance.
- Created technical documentation for 20+ IT procedures, improving team efficiency by 25%.

Projects

ChronaMed - Medical Office Scheduler | <https://chronamed.com>

Full-stack web application for scheduling staff in a medical GI lab, featuring AI-powered schedule generation, constraint validation, and real-time coverage tracking, reducing manual scheduling by 75%

- Optimized PostgreSQL queries reducing response time by 85% (800ms to 120ms)
- Achieved 99.5% uptime using Docker
- Automated CI/CD pipeline with 90%+ test coverage across 50+ API endpoints

Nourish - Nutrition Tracking Platform | [Link](#)

Comprehensive full-stack nutrition tracking and meal planning web application that helps users monitor their daily food intake, set personalized nutrition goals, and share recipes with a community.

- Built 30+ RESTful endpoints with <200ms response time; integrated USDA FoodData Central API serving 10,000+ food items
- Automated CI/CD deployment reducing deployment time by 80%

Sun America Development | <https://sunamericadevelopmentinc.com>

Real estate platform showcasing 30+ properties with responsive design across 5+ device breakpoints

- Implemented server-side rendering improving load time by 60%
- Optimized images with Next.js reducing total page size by 45%

Music Anniversary Finder | [Link](#)

React app processing 50,000+ album records from Spotify API with real-time search serving 200+ active users

- Achieved 95+ Lighthouse performance score through code splitting and lazy loading optimization
- Developed component and integration tests using Vitest framework

Technical Skills

Languages and Frameworks: Python, JavaScript/TypeScript, Java, React, Flask, Node.js, SQL, HTML/CSS, Tailwind CSS

Tools and Technologies: Git/Github, Docker, PostgreSQL, SQLAlchemy, JWT, REST APIs, Nginx, Pytest, React/Vite

Cloud and Deployment: AWS, Azure, DigitalOcean, Vercel, SSL/TLS

Competencies: Full-Stack Development, Microservices Architecture, API Integration, Database Design, Test-Driven Development, Agile/Scrum Methodology

Additional Skills: Logic Pro, Sibelius, Microsoft Suite, Canva, MakeMusic Cloud