

NICHOLAS FIERRO

(732) 804-4944

naf5301@gmail.com

Dallas, TX

Full-stack engineer with 4 years of experience, including internships, modernizing distributed enterprise platforms using TypeScript, Java/Spring, Python, and cloud technologies. Technical leader in AI-enabled engineering practices and agent-driven development.

RELEVANT EXPERIENCE

Software Engineer II – Charles Schwab

June 2025 – Present

- ❖ Modernizing a 20+ year platform serving **30,000+** internal users through Java microservices and federated Angular micro-frontends, designing and implementing key architectural components
- ❖ Authored and implemented engineering standards for an AI Spec-Driven Development Lifecycle pilot; built custom GitHub Copilot agent SKILLS adopted into agentic frameworks used by **1000+ Schwab engineers**
- ❖ Serving as an AI Champion through bi-weekly showcases, lunch & learns, office hours, and strategy support, earning team- and firm-level recognition
- ❖ Built the Java starter application underpinning all new APIs, standardizing dependency wiring for internal authentication, logging, service discovery, and shared libraries
- ❖ Mentoring junior developers, interns, and offshore engineers on platform delivery, accelerating onboarding and parallel feature development
- ❖ Delivering software under SEC/FINRA-regulated controls, applying secure authentication, least-privilege access, and audit logging across systems handling sensitive client financial data

Software Engineer – Legends

Aug 2023 – Jun 2025

- ❖ Led full-stack workstreams for Borussia Dortmund's migration to a multi-tenant eCommerce platform that launched to **100K** active users and generated **\$3.5M** in single-day sales
- ❖ Built and operated a Shopify order-ingestion pipeline that extracted, transformed, and loaded **500,000+** Real Madrid orders across multiple storefronts with idempotent retries and reconciliation
- ❖ Developed a Python code-generation tool producing tenant-specific Liquibase schema changelogs, reducing tenant onboarding from hours to minutes
- ❖ Supported high-profile FIFA and PGA eCommerce initiatives as part of the platform's core engineering team

Software Engineer Intern – Becht

Sep 2022 – Jan 2023, Jun 2023 – Aug 2023

- ❖ Built a standard document uploader for oil and gas consultants using C#/.NET and Angular
- ❖ Co-architected a cross-system software usage dashboard using .NET Core, Razor Pages, Angular, and LINQ

Application Delivery Intern – Bessemer Trust

June 2022 – August 2022

- ❖ Migrated investment data using PL/SQL stored procedures and Oracle packages, and built an Oracle APEX application for security-fund distributions

TECHNICAL SKILLS

- ❖ Languages: TypeScript, Java, C#, Python, SQL
- ❖ Frontend: Angular, React, Next.js, Tailwind CSS
- ❖ Backend: Spring Boot, .NET, REST APIs, Kafka
- ❖ Data: SQL, PL/SQL, Kafka, ETL and data-migration pipelines, Liquibase
- ❖ Cloud and DevOps: Azure, PCF, Docker, Jenkins, Git, CI/CD
- ❖ Architecture: Microservices, Micro-frontends, API-first Design, Legacy Modernization, Multi-tenant Platforms, AI-assisted SDLC
- ❖ AI Tooling: Claude Code, GitHub Copilot, Codex, spec-driven development, prompt engineering

EDUCATION

Georgia Institute of Technology – Master of Science in Computer Science (OMSCS)

Expected May 2029

Intended Specialization: Artificial Intelligence

The Pennsylvania State University – Bachelor of Science in Computer Science

Graduated: May 2023