

Nick Sanft

Full Stack Developer and Leader

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ABOUT ME

Hi! I am Nick Sanft, a leader, developer, and aspiring musician living in the greater Nashville Area in Tennessee. I have over 13 years of experience in development and over 6 in managing engineering teams. I have experience in Gen AI, Python, Java, SQL, and several other languages and solutions.

EXPERIENCE

WEX

Head of Software Engineering - Gateways - 2024 to Present

I manage five engineering teams totaling over 50+ members working on several applications using Java, C#, and Python languages leveraging ECS, Kubernetes, Docker, AWS, Gemini, and more. These teams build and maintain mission-critical payment systems processing millions of transactions a day.

Senior Software Engineering Manager - 2022-2024

Managed a team of Developers, QA, Product, and Scrum Masters to build and maintain mission-critical payment systems processing millions of transactions a day.

Software Engineering Manager - 2020-2022

Managed a team of Developers and QA to build and maintain mission-critical payment systems processing millions of transactions a day.

Lead Java Developer - 2017-2020

Led a team of developers to create Payment applications to integrate Acquirers and Issuers.

SQL Developer - 2014-2017

Wrote reports using SSRS, SSIS, and Microsoft SQL

Data Entry Specialist - 2013-2014

Worked with Microsoft SQL to query and update data in a database.

PROJECTS

Mister Fritz - Python, LangGraph, AI, rag, vector-database

A personal assistant built using LangGraph that generate images, speech, search through documents, conversate with you, and all be accessed over Discord locally completely for free.

<https://github.com/NickSanft/MisterFritz>

Single Page Website Portfolio - HTML, Javascript, Tailwind CSS

A project that I used to generate my website that others can use as a template for their own portfolio. The resume PDF is auto-created as well!

<https://github.com/NickSanft/SinglePageWebsitePortfolio>

LangGraph MultiAgent Network Demo - Python, LangGraph, AI

A project to demonstrate how you can use LangGraph to create a network of LLMs all running locally.

<https://github.com/NickSanft/LangGraph-MultiAgent-Network-Demo>

ISO8583 Tutorial - Kotlin, Ktor, Gradle

A project to demonstrate how to process payments using ISO8583 like Visa or MasterCard do!

<https://github.com/NickSanft/ISO8583Tutorial>

Ollama Discord Wrapper - Python, LangGraph, AI

An easy way to create your own LLM bot using Discord. You can set it up locally and then access it from anywhere.

<https://github.com/NickSanft/Ollama-Discord-Demo>

SKILLS

Gen AI | Agentic Systems | LangGraph | Java | Python | Kotlin

C# | SQL | HTML5 | CSS | TypeScript | JS
AWS | Kubernetes | Docker | ECS | Terraform | Jenkins
GitHub Actions

DOMAIN EXPERTISE

Payment Processing

Deep expertise in end-to-end payment flows, ISO 8583 message formatting, and acquirer/issuer integration - the protocols that power Visa and Mastercard transactions.

Engineering Leadership

Over 6 years leading engineering teams, from individual contributor lead to Head of Engineering overseeing 50+ engineers across five teams.

Generative AI & LLMs

Hands-on experience building LLM-powered applications using LangGraph, RAG pipelines, and vector databases - both locally and at scale.

FinTech & Financial Systems

Over a decade in financial technology, building and maintaining mission-critical payment and data systems for enterprise clients.

Agile & Scaled Delivery

Experienced running Agile at scale, managing cross-functional teams with Developers, QA, Product, and Scrum Masters across multiple concurrent workstreams.

CERTIFICATIONS

Generative AI Leader

A course focused on generative AI concepts and applications by Google Cloud
<https://coursera.org/share/9e4f3b156445ef1eb3fa6791989d24bf>

Google AI Essentials

Hands-on introduction to AI concepts and technologies.
<https://coursera.org/share/c10028ecc0e228e7c8a6d560eefc7c88>

AWS Certified Cloud Practitioner

Foundational knowledge of cloud computing concepts and technologies.
https://www.certmetrics.com/amazon/candidate/cert_progress.aspx?cid=576943&cert=563308

