Nathaniel Moon

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Summary

Staff-level software engineer with 9+ years of experience architecting and scaling consumer, fintech, and AI systems. Experienced in leading engineering teams, modernizing services, and delivering business-critical platforms at high scale.

Experience

Fora Travel

Senior Software Engineer, Membership & Growth | Jan 2026–Present
Stack: React, Python, Django, PostgreSQL, PydanticAI, Next.js

- Designing and delivering KYC/KYB verification workflows for advisor and business onboarding.
- Architecting and implementing a system to manage advisor data lifecycles and propagate changes across the platform.
- Leading architecture and development of a greenfield AI-powered product with iMessage as its primary conversational interface.

Tenex

Forward Deployed Engineer | Sep 2025–Jan 2026
Stack: React, Python, Django, PostgreSQL, Next.js

- Delivered production AI systems for multiple clients, taking solutions from implementation through deployment.
- Managed technical delivery across four high-profile client accounts, working directly with client engineering teams.
- Accelerated software development for internal and client engineering teams using AI-assisted engineering workflows.

Guideline

Staff Software Engineer, Retirement Administration | Feb 2025–Sep 2025
Stack: Ruby, Rails, Sidekiq, GCP

- Architected and implemented employment recordkeeping systems supporting 401(k) contribution allocation.

The Farmer's Dog

Senior Software Engineer, Internal Tools & Operations | Jan 2023–Feb 2025

- Led a lean engineering team delivering internal tools across fulfillment, billing, and finance operations.
- Led architecture and implementation of a fulfillment management system supporting shipment of more than 660,000 boxes per month.
- Built and maintained observability capabilities spanning logs, traces, metrics, and service-level objectives (SLOs).

- Introduced Agile delivery practices that increased team productivity by 36%.

Senior Software Engineer, Conversion | Dec 2021–Jan 2023

- Decomposed a monolithic conversion system into independent services using Node.js, React, DynamoDB, and GraphQL.
- Designed and built a modular templating system enabling dynamic UI deployment.

Software Engineer III, Conversion | Oct 2020–Dec 2021

- Contributed to the architecture and implementation of company-wide ledger accounting and credit systems.
- Built scalable front-end capabilities supporting more than 500,000 monthly website visitors.
- Improved website sign-up conversion from 8% to 14% (a 75% relative increase) through improvements to the acquisition funnel.

Amper Music

Backend Engineer | Sep 2017–Oct 2020

- Built and maintained internal music data infrastructure underpinning Amper's internal and external products (Node.js, GraphQL, Flask, React).
- Maintained and extended Amper's core MySQL data model.
- Built web applications and reusable libraries for data management and governance.
- Contributed to research, implementation, and deployment of machine learning models.

Education

Ramapo College of New Jersey | B.A. in Computer Science and Music; Minor in Mathematics | May 2017

Technical Skills

Languages: TypeScript, JavaScript, Python, Ruby, C++, SQL
Backend & Data: Node.js, Ruby on Rails, Django, GraphQL, PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Sidekiq
Frontend: React, Next.js, HTML, CSS
Cloud & Tools: AWS (Lambda, SQS), GCP, Docker, Datadog, PydanticAI