

NATHANIEL DANIEL

Software Engineer

📍 Austin TX · 629-201-9065 · ndaniel275@gmail.com · github.com/Resneak · linkedin.com/in/nate101 · medium.com/@ndaniel275

EXPERIENCE

Software Engineer — Apple

Jan 2026 – Present · Austin TX

- AI agents, security, and cloud engineering — backend services and internal tooling in Python & Java.

Software Engineer — American Express

Jan 2025 – Jan 2026 · NYC

Java & Python backend — battle-tested and enterprise-grade.

- Backend systems in Python and Java, builds orchestrated via Bazel/Maven.
- Led the Tock–Resy platform integration — aligned 8+ REST APIs and database schemas for a seamless reservation experience for 2M+ users.
- Shipped features across AWS (EC2, RDS, S3, SQS) with Docker; optimized SQL/MongoDB queries cutting response times 20%; JWT-based OAuth and anti-abuse defenses cut bot traffic 70%+.
- Background jobs and async workflows with Flask, Celery, gRPC + Protocol Buffers; collaborated with 5+ cross-functional teams on tight delivery cycles.

Software Engineer — My Startup

Nov 2020 – ongoing

Sold Python automation scripts across web + mobile (reverse engineered 30+ platforms); built, packaged & obfuscated encrypted Windows executables sold direct; Discord bots for 3,000+ users; secure Flask APIs; SQLAlchemy + PostgreSQL.

- Python backend services for APIs reverse engineered from 30+ platforms (Flask, SQLAlchemy, PostgreSQL); thousands of daily requests; ~70% fewer manual tasks.
- Docker in production for 3,000+ users; Celery/Redis for 40% faster responses; CI/CD via GitHub Actions on AWS (EC2, S3, RDS, Lambda).
- Auth, rate limiting, uptime monitoring across 30+ apps at 99.9% uptime; used Frida to bypass certificate pinning and reverse engineer iOS/Android apps.

PROJECTS

AI Outfit Recommender — An AI stylist that picks your fit. Trained ResNet34 on DeepFashion (69.5% top-1 accuracy); U2-Net for background removal, KMeans for color extraction; deployed on AWS EC2/S3. [live demo](#) · [github](#) · [article](#)

AWS Airline Booking — Cloud-native airline booking service. Microservices with FastAPI + Spring Boot + Docker; ECS/EC2, RDS, DynamoDB, Cognito auth, WAF, Lambda, SQS; CI/CD via GitHub Actions. [github](#) · [article](#)

Automated Checkout Bot — Request-based checkout bot for 3,000+ users across 30 sites; reverse engineered APKs, bypassed certificate pinning with Frida; user credit system with Flask + webstore APIs. [github](#)

Discord Reward Bots — Loyalty reward automation keeping 3,000+ users coming back. [github](#)

CERTIFICATIONS

AWS Certified Developer – Associate — Nov 2024 · [verify on credly](#)

AWS Certified Cloud Practitioner — Oct 2024 · [verify on credly](#)