Jonathan Apostol

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SUMMARY

Staff Software Engineer with 9 years of experience scaling distributed systems in fintech and enterprise security. Proven track record leading cross functional technical initiatives, migrating monolithic architectures to microservices, and driving DEIB culture.

EXPERIENCE

Senior Software Engineer — Apr 2026 - Present

Truemed | Austin, TX (Remote)

- Streamlined merchant onboarding with a guided workflow and notification system, reducing time-to-first-transaction.
- Improved merchant user experience migrating merchant dashboard to new frontend design system.
- Created load generation and testing harness to identify and address performance bottlenecks and right-size new infrastructure.
- Launched self-service dispute APIs and dashboard for merchants to manage disputes and submit evidence.
- Implemented transaction and payout APIs, enabling merchants to reconcile transactions via API and admin dashboard.

Staff Software Engineer — Jan 2024 - Jan 2026

Affirm | San Francisco, CA (Remote)

- Partner/Merchant Interfaces Tech Lead, built and maintained core services and integrations supporting $10B+ in annual volume.
- Collaborated across the engineering org to deploy, test, and launch core infrastructure and 50+ services in UK region.
- Added OAuth 2.0 Client Credentials and mTLS authentication support for outgoing partner webhook requests.
- Designed config-driven API integration framework, reducing dev effort to support new partner platforms from months to weeks.
- Collaborated with cross functional stakeholders to redesign and improve localization processes and pipelines.
- Co-led Asian Heritage Alliance ERG, collaborating with the People team and executing on DEIB initiatives for 200+ members.

Senior Software Engineer — Mar 2021 - Dec 2023

Affirm | San Francisco, CA (Remote)

- Mentored junior engineers, interns, and apprentices resulting in 2 full-time conversions and promotion.
- Implemented Affirm's Shopify Payments App API integration and migration, transacting on $1B+ in annual volume.
- Migrated monolith backend components to micro-service architecture, improving developer experience by reducing time to deploy.
- Developed onboarding flow enabling merchants to sign up without leaving the partner platform, increasing conversion by 8%.

Senior Software Engineer — Nov 2020 - Mar 2021

Netskope | Santa Clara, CA (Remote)

- Integrated Netskope Private Access features into the unified admin dashboard for beta, launch, and expansion.
- Authored and optimized on-call runbooks, reducing mean-time-to-resolution by 6%.
- Led functional area product design discussions, breaking down tasks and delegating to junior engineers.
- Collaborated with product managers and UX designers to define and refine user flows.

Software Engineer — Feb 2019 - Nov 2020

Netskope | Santa Clara, CA

- Developed reusable Angular UI components for the Netskope design system.
- Re-platformed front-end components from jQuery / AngularJS to Angular 8+.
- Redesigned DLP Profile and Rule UI, implementing advanced searching for 2k+ entities and enhancing rule complexity.
- Designed UI for SMTP Proxy configuration, enabling company emails to be scanned for DLP violations.
- Improved developer productivity by developing Python script to manage Docker environment configs.

Software Engineer — Sept 2017 - Feb 2019

Albertsons Companies | Pleasanton, CA

- Developed Angular 6 / Bootstrap responsive and accessible SPA for customer-facing e-commerce site.
- Implemented OAuth Implicit Flow user authentication with Okta Auth JS.
- Created Coupon API with caching layer to reduce response time by over 50% in Spring Boot microservice architecture.
- Automated sending of digital receipts for all grocery delivery orders across 2000+ stores.
- Operationalized daily data aggregations for financial reconciliation reporting with Python scripts.

SKILLS

Languages: Python, TypeScript, JavaScript, Java, SQL, HTML, CSS
Frameworks: Flask, Django, React, Angular, Spring Boot, Node.js
Tools: VS Code / Cursor, Claude Code, Git, Jira, Kubernetes / Docker, AWS, OpenAPI, Chronosphere, Datadog

EDUCATION

Bachelor of Science in Computer Science, Minor in Japanese — Jun 2017
University of California, Davis | Davis, CA