

Amit Sapkota

Senior Software Engineer · Backend, Distributed Systems & AI-Assisted Development

hello@amitsapkota.me | Jersey City, NJ | linkedin.com/in/amitsapkota | github.com/amitsap | amitsapkota.me

Senior engineer with 13+ years building and scaling systems at large platforms (ServiceNow, Goldman Sachs) — deep Java/JVM, distributed-systems, and relational-data expertise, owning features end-to-end from design through CI/CD and production. Since mid-2026, full-time independent developer: designed, built, and shipped **three native iOS apps live on the App Store** as a solo engineer, running an AI-native development process built on Claude Code and Codex with custom agents, automated review gates, and spec-driven workflows.

TECHNICAL SKILLS

- **Languages & Frameworks:** Java (Core/Enterprise), SQL, Swift/SwiftUI, JavaScript/TypeScript, Angular, Bash
- **Architecture:** Distributed systems, microservices, event-driven architecture, REST API design, serverless (Cloudflare Workers)
- **Data & Persistence:** PostgreSQL, MySQL, Sybase, SQLite, Reladomo ORM; large-scale data processing, indexing & query optimization, data modeling
- **AI-Assisted Engineering:** Claude Code, OpenAI Codex — daily drivers for the full SDLC; custom agents & skills, multi-agent review workflows, MCP; Claude API integration (vision, structured output)
- **Testing & Delivery:** TDD with JUnit & Mockito, Playwright, Selenium, XCTest/Swift Testing; CI/CD and continuous delivery across UAT/INT/PROD
- **Observability & Operations:** Splunk, Geneos, platform logging, incident management & root-cause analysis
- **Apple Platforms:** SwiftData, CloudKit, HealthKit, StoreKit 2, Game Center, MultipeerConnectivity, SpriteKit, Live Activities

WORK EXPERIENCE

Independent Software Engineer — iOS & Full-Stack Product Development

Jun 2026 – Present

Jersey City, NJ · self-directed, full-time

- Shipped **3 native iOS apps to the App Store in under 3 months** as sole developer — owning product definition, UX design, engineering, and post-launch iteration: **Zenshin** (strength training with on-device readiness coaching from Apple Health recovery signals), **Tiplu: Nepali Marriage** (real-time online multiplayer card game), and **CallBreak+** (modern rebuild of my 2013 title that held a **Top 10 ranking in Card Games for 5 consecutive months** across multiple countries).
- Engineered an AI-native development process around Claude Code and Codex — custom adversarial review agents, spec-driven workflows, and cost/quality model routing — sustaining team-level throughput as a solo engineer while keeping production discipline: review gates, test suites, and docs-as-code.
- Built 12+ additional apps across iOS, macOS, and full-stack web, including serverless backends (Cloudflare Workers + D1, Plaid integration) and Claude API product features (vision-based receipt scanning, AI recommendations).

ServiceNow — Senior Software Engineer

Oct 2020 – May 2026

San Diego, CA / Jersey City, NJ

- Owned core CMDB (configuration management) features end-to-end — technical design, coding, testing, and continuous deployment across UAT, INT, and PROD; partnered directly with customers to validate requirements, demo features, and gather feedback ahead of each release.
- Cut dashboard load times **90%** (2 min → <10 s) on a 120M+ record dataset by identifying N+1 query bottlenecks through full-stack profiling and implementing compound database indexes.
- Designed a template-based CMDB de-duplication engine replacing manual one-by-one remediation (often 1,000+ tasks) with reusable, customizable templates for batch resolution — collapsing repetitive cleanup into a single operation.

- Architected a multi-level approval workflow for Data Manager, helping customers maintain data hygiene and audit trails while reducing incidents from unintended policy deletion.
- Served as Tier 3 escalation for critical customer incidents, driving root-cause analysis in Splunk with Support and contributing to a **42% reduction in team MTTR**.
- Championed application modernization across 10+ apps — migrated legacy analytics to a standardized framework and enforced security and accessibility governance, reducing customer-reported compliance issues ~30% over the quarter.
- Practiced TDD with JUnit and Mockito across core services; migrated 5 end-to-end suites from Selenium to Playwright and stabilized 10 flaky suites to improve CI reliability.
- Built a custom Claude Code skill to triage flaky tests and authored team-specific agent configuration automating story creation, defect logging, and case resolution — extending AI tooling from individual use into shared team workflow.
- Mentored 5 engineers and consolidated onboarding materials into a single accessible resource, easing ramp-up for new team members.

Goldman Sachs — Software Engineer

Oct 2015 – Oct 2020

Jersey City, NJ

- Architected a shared persistence API adopted by **12 applications**, built on Reladomo (Goldman's open-sourced ORM framework), cutting backend boilerplate code 70% and enforcing data consistency across the portfolio.
- Engineered an automated regulatory reporting workflow, reducing weekly processing time from 3 days to 1 day by orchestrating data hand-offs between risk providers and reporting teams.
- Expanded the workflow system with a modular, parameterized architecture and real-time desktop notifications, enabling multi-team adoption and saving users ~5 hours per week.
- Unified the frontend of 7 applications under a common UI framework with real-time status polling, reducing support tickets 25%.
- Refactored legacy error-handling and logging frameworks, improving observability and enabling Level 1 support — reducing repeat customer cases for similar issues 45%.

RBS Securities — Application Support Analyst

Nov 2013 – Oct 2015

Stamford, CT

- Engineered automated monitoring workflows using custom Bash scripts and Geneos Active Console, reducing manual diagnostics and improving critical system uptime from 88% to 95%.
- Managed incident resolution for 4 mission-critical market-risk applications, identifying code optimizations and driving root-cause fixes as a technical feedback loop to Engineering.

eKiwi LLC — Java Developer Intern

Sep 2012 – Nov 2013

- Developed scalable data-mining solutions and custom web crawlers for 50+ clients using Java and Python.

ADP — Software Engineer Intern

Apr 2012 – Aug 2012

- Executed a large-scale refactoring across 50K+ lines of Java to enable internationalization (i18n).

EDUCATION

Brigham Young University — Bachelor of Science, Electrical Engineering

Dec 2012