

# Nikhil Shirolkar

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Full-stack engineer across backend, web/native, and infra/ML. I work where AI meets product – turning ideas into instrumented, experiment-driven features that move metrics. Biased toward shipping, measuring, and iterating for tangible customer impact.

## Experience

**Amazon** — Software Development Engineer *Aug 2024–Present | Sunnyvale, CA*

- Traffic engineering on Amazon’s edge; responsible for ~**98%** of internet ingress routing and reliability.
- Built next-gen ingress route management to enable piecewise traffic shifts (by backend/region/tenant) with prefix-/suffix-wildcard matching.
- Led TLS deprecation for the team: automated detection of legacy traffic, surfaced owners, built upgrade automation, and coordinated migrations to TLS 1.2+ across services.
- Re-architected the shared-secret mechanism for Amazon domains connecting to origin: moved to KMS-backed secrets with automatic rotation, least-privilege scoping, and auditability.

**Credit Karma** — Software Engineer *Aug 2022–Aug 2024 | Oakland, CA*

- Lead for Tax Entry Points: personalized member flows funneling users to TurboTax; advisor on entry-point strategy.
  - Collaborated with native teams to ship iOS/Android UI (Swift/Kotlin).
  - Owned top entry point driving **43%** of TurboTax clicks with **33%** CTR.
  - Ran **120+** personalization experiments (TY2023) to optimize value props and behavior.
  - Achieved ~**15M** clicks and ~**47M** impressions, materially contributing to revenue goals.
- Partnered with Analytics/BI to overhaul event tracking: higher flexibility, lower latency, simpler attribution.
- Worked on ML infrastructure/facts platform.
- Cut feature-staging pipeline runtime **50%** and cost **94.4%** via sampling approach.

**Mint (Intuit)** — Software Engineer *Aug 2020–Jul 2022 | Mountain View, CA*

- Service owner/domain expert for a microservice powering Mint Marketplace’s Personal Loans.
  - API performance/latency improvements → more users and offers served.
  - Partnered with marketing to drive targeted campaigns and maximize offer conversion.
  - Migrated service from EC2 to EKS for scale and reliability.
- Contributed to Mint Premium initiatives and infrastructure improvements.
- Built Home Loans (refi/purchase) with Rocket Mortgage: APIs + full React/web development.

**Mint (Intuit)** — Software Engineering Intern *May 2019–Aug 2019 | Mountain View, CA*

## Technical Skills

**Programming Languages** Python, Java, JavaScript, TypeScript, Scala, Swift, Kotlin

**Frameworks & Libraries** React, Spring Boot, Node.js, GraphQL, HTML/CSS

**Messaging & Storage** Kafka, Redis, MySQL, PostgreSQL, DynamoDB

**Cloud & DevOps** AWS, GCP, Docker, Jenkins, CircleCI, Argo CD, Airflow

**Observability** Splunk, New Relic

## Education

**Virginia Tech** *Blacksburg, VA | Graduated May 2020*

BS in Computer Science | Minor in Mathematics

**Thomas Jefferson High School for Science and Technology** *Alexandria, VA | Graduated Jun 2017*