

NIKITA YURKOV

Senior Software Engineer

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Education

University of Minnesota - Twin Cities

Bachelors of Science in Computer Science, College of Science and Engineering

Minneapolis, Minnesota

2012-2016

- **Selected Coursework:** Machine Learning, Artificial Intelligence, UI Design

Experience

Block

Senior Software Engineer

San Francisco, California

2020-Present

- Developed and launched Square-Dev-AI, Block's first generative AI service, reducing developer advocate workload by 700+ hours annually. Managed legal compliance and implemented a human-in-the-loop system, enhancing developer engagement and partner development efficiency.
- Served as a key engineering liaison in the Block-Afterpay acquisition, aligning pricing and cost reporting, and addressing cultural and operational challenges. Enabled accurate internal profit and loss analyses for Afterpay, accelerating its integration and expansion (Afterpay processed \$10.3 B GMV in Q4 2024, according to Block shareholder filings).
- Led migration of the team's observability stack to Datadog, coordinating across multiple services and taught team how to use our new monitoring solution which improved system reliability, enabled service tracing, and increased operational efficiency.
- Migrated CashApp P2P payment traffic from legacy monolith to new Kotlin-based platform, all while handling \$4B in weekly transactions. Transitioned 2% of payments (Cash for Business) to the new framework while improving other aspects of the P2P experience, most notably web email receipts.

Samsara

Software Engineer

San Francisco, California

2019-2020

- Spearheaded complex data migration, bringing a 2.5 year long project to completion in 3 months. Collaborated with TPM and product to ensure seamless customer communication and minimal downtime.
- Led Core Services team, managing onboarding and development of teammates during a period of hypergrowth. Oversaw critical frameworks for trips, reports, and alerts, enhancing customer experience and maintaining operational reliability for over 20,000 organizations.
- Drove optimization of the proximity search feature, improving latency and user experience, safeguarding millions of dollars of annual revenue by retaining dozens of enterprise fleet customers.

Wickr

Software Engineer

San Francisco, California

2017-2018

- Developed and launched Wickr Me's end-to-end encrypted voice calling for free customers, supporting 300,000 calls each week. Managed performance testing and created a load test framework with locust.io and AWS ElasticBeanstalk, boosting product appeal and transitioning users from free to paid subscriptions.
- Led initiative to detect and resolve crashes in server-side C++ calling executable through effective monitoring solutions, enhancing the reliability and user experience of Wickr Me's calling feature.

Technical Skills

Languages: Kotlin, Java, Python, Go, Javascript, Typescript

Frameworks: Locust.io, React

Developer Tools: Datadog, Sentry

Cloud Platforms: AWS (EC2, ECS, SQS, RDS, S3), GCP (BigQuery, Dataflow)