

Hiren Hiranandani

Software Engineer

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Senior software engineer with 18 years of experience leading **architecture** and **implementation** across **distributed systems**, **platform engineering**, and **developer infrastructure**. More recently, shipping **AI agents** and an **MCP platform** at **Chime** that helps teams ship AI-powered products with confidence. I'm at my best where **strong engineering fundamentals** meet **emerging technology**: turning ambiguity into practical systems, raising the technical bar, and building secure, scalable foundations for teams moving into AI.

Chime — Software Engineer / AI Enablement

Feb 2024 – Present

- Built schema infrastructure, messaging, rate limiting, and throttling systems powering Chime's core platform at scale
- Improved schema performance and correctness company-wide, reducing build times by 70% and failures by 90%
- Launched AI engineering capabilities on Chime's tiger team, building internal frameworks adopted in all AI products
- Shipped a secure MCP platform that automated integration patterns with built-in safeguards against access control flaws and data leaks

Spotnana — Software Engineer / Platform

Nov 2022 – Jun 2023

- Replaced polling with webhooks infrastructure, cutting notification latency, enabling partner integrations
- Built a deduplication framework to reconcile messy third-party data into clean canonical records
- Built an image pipeline to ingest third-party assets and serve them efficiently at high quality
- Led International SOS duty-of-care integration, a key requirement for enterprise travel partners

Airtable — Software Engineer / Developer Effectiveness

Oct 2021 – Nov 2022

- Overhauled the local developer experience: revamped laptop setup, staged ARM rollout, and improved tooling
- Built a smart local runner that rebuilt only what's needed, tightening the developers' inner loop by 90%
- Shipped a flaky test management system, giving engineers visibility and control over flakiness across the full suite

Retool — Software Engineer / Product / Infrastructure

Dec 2019 – May 2021

- Shipped virtualized navigation rendering, enabling efficient handling of large workspaces
- Migrated Production Docker builds off a pet EC2 instance onto CI, improving build observability and reliability
- Upgraded EOL infrastructure components, driving a major overhaul of the infrastructure codebase

Stripe — Software Engineer / Developer Productivity

Sep 2018 – Dec 2019

- Improved the Ruby developer experience across the full dev-loop: devboxes, tooling, builds, and local development
- Executed large-scale code migrations across a 4M LOC codebase using codemods, RuboCop rules, and ratchets
- Built a code-generation framework that automated boilerplate with guard-rails enforcing consistency across regeneration cycles

Capital One — Senior Manager / Senior Architect

Dec 2015 – Sep 2018

- Built a typed SQL-like query language with parser, typing, testing and execution engine (Scala, Kafka Streams), enabling analysts to self-serve marketing offer creation, then grew a team around it
- Shipped a cross-LOB static site framework with shared component library and unified design system

Angie's List — Tech Lead / Senior Principal Scala Architect

Aug 2013 – Oct 2015

- Built an internal micro-services framework that decoupled service architecture from transport
- Standardized code review, interviewing, and training practices to maintain engineering quality through rapid growth
- Built and maintained an engineering knowledge base that became the backbone of automated onboarding
- Drove adoption of automated testing and a culture of correctness across engineering