

# Avery Chen

## Senior Software Engineer

San Francisco, CA

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## Summary

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Software engineer with 9 years building backend and platform systems at the edge — payments, identity, and developer tooling. Currently focused on serverless infrastructure and the developer experience of running stateful workloads outside long-lived VMs.

## Experience

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### Staff Engineer · Platform

Jan 2023 — Present

Edgeworth Labs · Remote

- Owned the migration of the request-path from Kubernetes to Cloudflare Workers, cutting cold-start P99 by 78% and infrastructure cost by ~40%.
- Designed and shipped the per-request idempotency layer used by every customer-facing API; reduced duplicate-charge incidents to zero in the trailing 9 months.
- Mentored five engineers, including two who were promoted to senior during the period.

### Senior Engineer · Payments

Mar 2019 — Dec 2022

Brightline Systems · San Francisco, CA

- Led the rollout of 3D-Secure 2.x across all card-acceptance flows; preserved approval rates while satisfying European SCA mandates.
- Built the fraud-rules engine used to evaluate ~12M transactions a day at peak with sub-50ms median latency.
- Designed the reconciliation pipeline that closes books to within \$0.01 across 23 acquirers.

### Software Engineer

Aug 2016 — Feb 2019

Halcyon · Boston, MA

- Shipped the first version of the bookings API now serving over 4M concurrent connections.
- Built the team's continuous deployment pipeline; cut release lead time from 8 days to under 30 minutes.

## Education

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### University of California, Berkeley

B.A. Computer Science

Graduated 2016 · Departmental honors

## Skills

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TypeScript, Rust, Go

Cloudflare Workers, AWS Lambda, Kubernetes

PostgreSQL, Redis, ClickHouse

OpenTelemetry, distributed tracing, SLO design

Card-present and card-not-present payments, SCA/3DS, PSD2