

Edward Chan

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EXPERIENCE

Founding Engineer · Squads

May 2024 – Present

WEB3 TREASURY AUTOMATION • VC-BACKED

STACK: Rust, Tonic gRPC, Temporal, Solana, Envoy, Tilt, SQLx, PostgreSQL, Redis, AWS, ECS, OpenTelemetry

- Architected a 12+ service Rust/Tonic platform fronted by Envoy and orchestrated via Tilt, unifying Solana treasury workflows, Temporal jobs, and relayer workers into a single repo-driven stack.
- Safeguarded \$2B of \$7B USDC deposits while shipping critical surfaces including multi-sig/member management, passkey auth, intents/approvals, inflow/outflow reporting, and KYC bridge.
- Developed shared crates for logging, Solana/Jito utilities, AWS SSM/SES/S3, Redis, and SQLx migrations to standardize infrastructure across the platform.

Lead Software Engineer · Fractal

May 2022 – May 2023

WEB3 GAMING • \$35M SEED

STACK: Golang, Web3, Ethereum, Polygon, GCP, Spanner, Microservices

- Launched marketplace, wallet, and SDK suites across Ethereum and Polygon in under four months by owning microservice design end-to-end.
- Operated Golang services on GCP sustaining 1000+ QPS, ensuring high availability and low latency for gaming workloads.
- Iterated with design and top studios to double SDK adoption through developer-focused improvements.

Lead Software Engineer · Fast

May 2021 – May 2022

E-COMMERCE • \$125M SERIES B

STACK: Golang, AWS, Step Functions, DynamoDB, Checkout, Fraud Prevention

- Led a five-engineer fraud pod and architected a Step Functions/DynamoDB checkout that processed \$100M+ in sales.
- Implemented idempotent payments and real-time decisioning to prevent fraud while maintaining a seamless user experience.

Software Engineer · Pendo

Aug 2018 – May 2021

ANALYTICS • \$470M SECONDARY

STACK: Golang, GCP, Product Analytics, Walkthroughs, Internationalization, OAuth

- Delivered walkthrough, internationalization, and OAuth features.
- Coordinated onboarding across products to unlock enterprise deployments.

SKILLS

Languages & Backend: Golang (7 yrs), Rust (2 yrs), Python, Tonic gRPC, Protocol Buffers, SQLx, Temporal, Microservices

Infrastructure & Cloud: AWS, GCP, Terraform, CI/CD, Envoy, Tilt, Docker Compose, ECS, OpenTelemetry

Data & Integrations: PostgreSQL, Redis, Solana SDK, AWS SSM/SES/S3, Redis/SSE streaming

EDUCATION

Georgia Institute of Technology

Atlanta, Georgia

M.S. Computer Science

Dec 2020

North Carolina State University

Raleigh, North Carolina

B.S. Computer Science, B.A. Physics

May 2018