

Roles

Stytch

April 2021 - February 2024

Software Engineer, Backend

San Francisco, CA

- Sessions: Multi-factor authentication patterns using opaque session tokens or JWTs.
- OAuth: Integrate multiple identity providers and authorization flows through a common interface.
- Internal developer experience: integration test framework, recommended observability patterns, consistent development environments.

Tools: Go, Protobuf, gRPC, gRPC-Gateway, OpenTelemetry

Domains: user authentication, OAuth/OIDC

Gusto

September 2019 - March 2021

Software Engineer, Payments

San Francisco, CA

- COVID-19 Billing Relief: Enable deferred payments to provide temporary billing relief to customers affected by COVID-19.
- Audit Readiness: New and improved tools to record and initiate transmissions with complete and accurate internal reporting.

Tools: Ruby, Rails, Sidekiq

Domains: invoicing, billing, ACH, wire payments, financial accounting

MemSQL (now SingleStore)

July 2017 - August 2019

Senior Software Engineer, Platform Team

San Francisco, CA

- `memsqlctl` and `memsql-toolbox`: Deploy and manage a MemSQL DBMS cluster in (almost) any environment.
- Customer Portal: Easy access to products, services, licensing, and more.
- Managed Service: One-click deploy of a MemSQL cluster in a managed cloud environment.

Tools: Go, Python, JavaScript/TypeScript, GraphQL, Docker, Kubernetes

Domains: distributed systems, command-line tools, Debian and Red Hat packaging

Education

Massachusetts Institute of Technology

Cambridge, MA

S.B. Computer Science and Engineering

June 2017

M.Eng. Electrical Engineering and Computer Science

June 2017