

Edwin Schleif, Software Engineer

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Work Experience

Curtis Instruments · *EV company* · **Staff Software Engineer** · Livermore, CA · Jun 2021 to Mar 2026

- Designed, built, and maintained Windows desktop applications to interface motor controllers through CANopen.
 - Written in C#, WPF, and Windows Forms on .NET.
 - Built the CANopen communication layer used to read and write device data in real time.
 - Built the MQTT communication layer for real-time messaging between the apps and the server.
 - Supported embedded software engineers as the end users, debugging issues in the apps and on the CAN bus.
- Designed, built, and maintained the Curtis external and internal web portals end to end.
 - Frontend originally written in React as a single-page application, later migrated to Next.js with TypeScript.
 - Backend REST APIs originally written in .NET Web API on Linux, later migrated to Go with Gin, persisting to PostgreSQL.
 - Features include software licensing, Stripe integration, document management, and role-based access.
- Architected the portal backend as a set of independently deployable Go microservices.
 - Separate services for authentication, licensing, Stripe billing, document management, and notifications.
 - Each service owns its own data and exposes a versioned REST API.
 - Deployed independently to Kubernetes through Jenkins CI/CD pipelines scripted in Groovy and Python.
 - Maintained legacy Python CI/CD scripts used for workflows across departments, then migrated those workflows to Jenkins pipelines in Groovy.
- Wrote CLI tools in C# and Go for engineers to communicate with CANopen devices and manage licenses, services, and resources.
- Owned the Jenkins CI/CD pipelines that built the desktop apps and deployed containerized backend services to Kubernetes.

Stack: C#, Python, .NET, ASP.NET Web API, WPF, Windows Forms, Linux, Go, Gin, Microservices, REST APIs, Next.js, React, TypeScript, PostgreSQL, SQL Server, Docker, Kubernetes, Jenkins, Groovy, Stripe, CANopen, MQTT, Claude Code, MCP, Skills

First Republic Bank · *Private bank* · **Senior Software Engineer** · San Francisco, CA · Oct 2020 to Jun 2021

- Maintained the enterprise CRM platform used across all departments of the bank.
 - Migrated the frontend to React with TypeScript.

- Built and modified production React components and pages end to end.
- Automated report generation via scheduled jobs written in Python.
- .NET applications in C# on ASP.NET backed by SQL Server, with cloud workflows on Azure Functions.
- Production support across departments.

Stack: C#, .NET, ASP.NET, Python, React, TypeScript, JavaScript, SQL Server, Azure, Azure Functions, Azure SQL

Jefferies Financial Group · *Investment bank* · **Senior Software Engineer** · New York, NY · Feb 2019 to Sep 2020

- Led feature development, maintenance, and bug support of Navigator, the primary desktop platform for prime brokerage clients to monitor portfolios, positions, and P&L in real time.
- Integrated real-time pricing feeds from Bloomberg, Reuters, eSignal, and ICE Data Services.
- Built backend services for position tracking, risk analytics, and reporting generation in Python with pandas, NumPy, and matplotlib.

Stack: C#, Python, pandas, NumPy, matplotlib, .NET, WPF, DevExpress, Angular, ASP.NET, SQL Server, Excel RTD, Bloomberg API, VSTO

Mizuho Bank · *Corporate bank* · **Senior Software Engineer** · Jersey City, NJ · Jan 2016 to Jan 2019

- Developed and maintained the statement generation and distribution platform for institutional clients.
- Built Windows services and console tools for automated processing.
- Built desktop utilities for internal operations and reporting.

Stack: C#, VB.NET, .NET, Windows Forms, SQL Server, SSIS, Python, TypeScript

Pronology · *Broadcast tech* · **Senior Software Engineer** · New York, NY · Apr 2014 to Jan 2016

- Developed time-code-driven media asset management interfaces for broadcast recording workflows.
- Built core services and console applications to integrate broadcast recording hardware.

Stack: C#, WPF, .NET, WCF, SQL Server, Windows Services, AWS (EC2, RDS, S3, CloudFront, VPC)

Safra National Bank of New York · *Private bank* · **Senior Software Engineer** · New York, NY · Apr 2007 to Mar 2014

- Developed, maintained, and supported the broker system for trading stocks, futures, and options.
- Integrated the trading platform with banking departments including client services, credit, operations, and middle office.
- Enhanced Internet Banking and middle/back-office applications.
- Built desktop and web interfaces for internal operations and reporting.

Stack: C#, VB.NET, VB6, Java, JavaScript, .NET, ASP.NET Web Forms, ASP.NET MVC, Windows Forms, SQL Server, WCF

Education

Computer Science, UGF (Universidade Gama Filho), Rio de Janeiro, Brazil (2006)

Projects

Goplim · *goplim.com* · **Software Engineer** · San Francisco Bay Area · Mar 2026 to Present

Built Goplim end to end as an independent full-stack project: a voice-first learn-by-repetition platform with multi-device live session sync, AI-assisted content, and a creator marketplace with Stripe subscriptions.

- Architected as microservices: a Go API and a TypeScript MCP server, containerized via Docker Compose with Nginx reverse proxy on Linux production.
- Voice-first learning loop where users speak answers out loud and get AI-graded feedback.
- Multi-device live session sync across web, Android, and iOS via a custom WebSocket hub.
- Creator marketplace with Stripe Checkout, webhook reconciliation, and 80/20 revenue split for creators.
- Public share-link playback so any recorded session can be replayed without login.
- Multi-mode personality feedback (Grill mode, Show Love mode) with adjustable intensity.
- AI subsystem: Gemini for question generation and AI breakdown, Whisper for voice transcription, TTS for spoken playback.
- TypeScript MCP server exposing DB-backed tools to AI clients.

Stack: Microservices, Go, Gin, PostgreSQL, Redis, Kafka, WebSockets, Next.js, React, TypeScript, Tailwind, Kotlin, Jetpack Compose, Swift, SwiftUI, Docker, Docker Compose, Nginx, Linux, AWS, MCP, Stripe, Gemini, Whisper, TTS, Claude Code, Codex