



German Solis

✉ german.gsl89@gmail.com · 469 773 3465

🌐 linkedin.com/in/gsolislpz · Frisco, TX

Summary

Frontend-focused Software Engineer with 9+ years building large-scale systems — deep React and microfrontend platform work, with full-stack range across GraphQL services and production AI. At Intuit's Expert Engagement Platform, owned six independently-deployable React microfrontend plugins (20+ widgets) with TypeScript, design-system tokens, multi-theme support, streaming UIs, and RUM / Web-Vitals instrumentation — backed by the Java/Spring GraphQL services and LangGraph AI agents those UIs surface.

Technical Skills

FRONTEND (REACT ECOSYSTEM)

React

Next.js

Microfrontends (Module Federation)

Apollo Client / GraphQL

Design Systems (IDS / tokens)

Streaming UI (SSE)

React Spring

CSS-in-JS

Web Vitals / RUM

Accessibility (a11y)

LANGUAGES

TypeScript

JavaScript (ES2022+)

Python 3.11–3.13

Java 21

BACKEND

Spring Boot

FastAPI

GraphQL Federation

REST

Event-Driven Architecture

CLOUD & DEVOPS

Kubernetes (EKS / IKS)

Docker / Podman

AWS

Jenkins CI/CD

Semantic Release

OBSERVABILITY

Splunk

AppDynamics

RUM Beaconing

LLM Tracing

TESTING & QUALITY

Jest

React Testing Library

Cypress

Playwright

ESLint / Prettier / Husky

AI / LLM ENGINEERING

LangGraph

Agentic AI

Multi-Agent (A2A)

Tool / Function Calling

Prompt Engineering

Structured Outputs

LLM-as-Judge Eval

MCP (Model Context Protocol)

Streaming Inference

GenOS / Langfuse-style Tracing

DATA & MESSAGING

GraphQL

Cassandra

AWS SNS

Kafka / Event Bus

SECURITY

OAuth 2.0

IAM (IDPS)

API Gateway

Core Concepts

Concepts I've taken to production, with the work behind each.

Microfrontend Architecture

Built: Six AppFabric plugins composed at runtime in VEP, TurboTax Live, QBOA shells with semantic-release versioning

Streaming UI

Built: Streaming chat replies via TaskWidgetChatReply with useChatHistory/useSubmitTask hooks consuming SSE from agent services

LLM Evaluation

Built: Authored judge configs for coherence, hallucination, safety, intent-relevancy, voice-and-tone; live eval pipeline integrated in CI

Agentic AI Orchestration

Built: Built production agents with pre-process → plan (IEP) → enrich → tool-call → post-process graph; multi-planner mux (rule + signal + IEP)

Design System Engineering

Built: Built widgets on IDS-TS — Intuit Design System, delivered as typed TypeScript component primitives — with multi-theme support (proconnect / quickbooks / intuit), accessible component patterns, and locale i18n

Multi-Tenant SaaS

Built: Swimlane-isolated tenants (TurboTax / QBOA / small-business); Engagement Type drives per-tenant behavior and routing

Observability for AI

Built: GenOS tracing on every agent call; per-widget beaconing + RUM via @shell/lib/rum tied to AppDynamics + Splunk

Event-Driven Architecture

Built: AWS SNS + Intuit Event Bus power Info Gathering, Task Events, ITM Event Processor, doc listeners; at-least-once delivery

Experience

Senior Software Engineer

2018 – Present

Intuit — Expert Engagement Platform (VEP)

- Frontend — Microfrontend Architecture

Owned 6 AppFabric React microfrontend plugins (20+ widgets) deployed independently and composed at runtime across VEP, TurboTax Live, QBOA, and IEP shells. Introduced TypeScript, semantic-release versioning, IDS-TS design-system tokens, multi-theme support (proconnect / quickbooks / intuit), and locale i18n.

- **Frontend — Embedded GenAI (GenUX)**

Built vep-experiences-ux as the embedded GenAI UI layer: streaming chat reply UI with token-by-token rendering (useChatHistory / useSubmitTask), task-card pager with dismiss flows, quick-action panels, flow-automation cards with cancellation modals — all backed by per-card analytics beaconing and RUM via Web Shell.

- **Frontend — Performance, Testing & Accessibility**

Instrumented Real User Monitoring through @shell/lib/rum, AppDynamics, and per-widget event beaconing to track Core Web Vitals. Built test coverage with Jest + React Testing Library unit suites and Cypress / Playwright E2E across client and expert flows, plus ESLint/Prettier/Husky pipelines, accessible token-based UI primitives, and PubSub messaging between widgets to reduce coupling.

- **Mentoring & Technical Leadership**

Mentor junior and mid-level engineers through code review, pairing, and frontend-architecture guidance. Set the TypeScript, testing, and design-system conventions adopted across all six microfrontend plugins, and drove the migration that introduced TypeScript and semantic-release versioning to the platform.

- **Type-Safe GraphQL**

Designed the Expert Engagement Service GraphQL schema and resolver layer over a multi-tenant data model, with auto-generated typed Java clients via Maven introspection and Apollo Client driving typed query/mutation flows on the UI — end-to-end type safety from schema to widget.

- **Agentic AI Platform**

Designed and shipped production AI agents (vep-engagement-agent, servicedesign, servicedelivery, collab-agent-service) using LangGraph state machines with planner-executor pipelines, typed tool calling, multi-agent (A2A) composition, streaming SSE responses, and LLM-as-judge evaluation across coherence, hallucination, safety, intent-relevancy and voice-and-tone.

- **Schema-Grounded LLM Workflows**

Authored a JSON-schema service-blueprint metamodel (KYC, tax-advisory, AIO, TTFS) with reusable skill packs to enable structured, schema-grounded LLM workflows.

- **Multi-Tenant Backend Platform**

Designed the Expert Engagement Service (Java 21 / Spring Boot, GraphQL, AWS SNS) — the multi-tenant contract-lifecycle backbone for Intuit's expert platform. Swimlane-isolated tenants drive per-Engagement-Type config and behavior across TurboTax, QBOA, small-business.

- **Engagement AI & Priority Routing**

Shipped the Engagement AI Service (Python / FastAPI) and VEP Engagement AI NUMA (Java 21 / Spring), delivering AI-driven engagement signals and priority scores that route work to the right expert at the right time.

- **Collaboration & Document Services**

Contributed to 15+ Java microservices including Request Service, Info Gathering Service, IG Orchestrator, Automated Request Manager, Task Service, Return Download Service (password-based encrypted PDF delivery), and E-Signature (Cassandra with embedded signing widgets).

- **Cross-Platform Mobile**

Delivered Collab Request mobile apps in Swift (iOS) and Kotlin (Android) for real-time expert-client document requests and collaboration on the go.

Frontend Work

vep-experiences-ux

GenUX Embedded AI · VEP

TypeScript React · streaming chat with useChatHistory hooks · card-based task UI · per-card analytics beaconing · GenUX prompt/delegate modes

collab-vep-ui

Expert Workspaces · VEP

Multi-theme · OINP push notifications · engagement prop routing · PubSub inter-widget messaging · Apollo GraphQL

collab-request-ui

Reusable Ecosystem Plugin

Cross-product widget library · Smart Docs wrapper · tax-checklist organizer · Redux-style action layer

collab-ttlive-ui

TurboTax Live + IEP

Embedded e-sign flows · Salesforce client tab · client/expert organizer checklist

collab-qboa-ui

QBOA Accountant Workspace

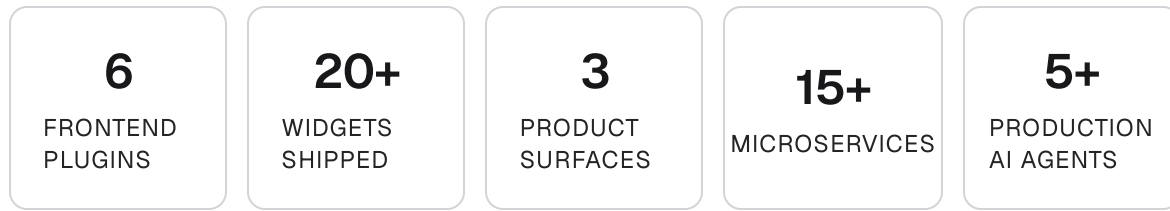
AppFabric plugin targeting QuickBooks Online Accountant · Yarn + Plugin-CLI · semantic-release

iep-search-ui · eng-header-widgets

IEP Search + Cross-product Headers

TypeScript + Sass · Plugin-CLI v3/v4 · cross-product header components

Platform Scale



Education

B.S. Computer Science · University of Colima, Mexico · 2011