

# Austin Schoen

SENIOR SOFTWARE ENGINEER · CONSULTANT

LOC Atlanta, GA

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## SUMMARY

Senior software engineer with 15+ years building platform, reliability, and integration systems for high-scale SaaS. Specialties span Kubernetes/GCP cloud migrations, LLM & MCP-based AI agent infrastructure, and identity / HRIS integration – shipping production systems end-to-end, from initial architecture through operational handoff.

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## SKILLS

### LANGUAGES

Go Python TypeScript  
JavaScript C# / .NET  
Ruby PHP C++

### CLOUD & PLATFORM

GCP Kubernetes (GKE)  
Kubernetes (on-prem)  
Docker Podman Kluctl  
Puppet Orbstack

### AI / ML

LLM agent systems  
Model Context Protocol  
Voyage AI embeddings  
Qdrant tree-sitter  
Claude API ChatGPT API  
Gemini API

### DATA

PostgreSQL MySQL / T-SQL  
ProxySQL Kafka  
ElasticSearch GCP PubSub

### OBSERVABILITY

Grafana Loki Tempo  
Mimir OpenTelemetry  
Prometheus

### IDENTITY & INTEGRATION

Active Directory OpenLDAP  
OpenDJ  
Workday Web Services  
SAML REST gRPC

### FRONTEND & MOBILE

React TypeScript  
Liquid (Shopify 2.0)  
Kotlin Multiplatform  
Compose Multiplatform  
Flutter / Dart WPF

### LINUX

RHEL Rocky Linux  
Debian Networking  
Firewall DNS

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## EXPERIENCE

### Lardo & Associates

03/2025 – PRESENT · REMOTE

Senior Consultant

Remote engagements delivering platform engineering, cloud migrations, integrations, and AI-agent infrastructure to mid-sized SaaS and e-commerce clients.

- **Sift** – Designed and shipped a per-PR ephemeral environment platform on GCP/GKE for a client's 100+ workload containerized application. Replaced a Docker Compose dev workflow with Kluctl-managed Kubernetes deployments (Orbstack locally, GKE in cloud) where each pull request auto-provisions an isolated namespace alongside shared platform services. In active production use.
- **Workday** → **AD identity integration** – Built a C#/.NET integration layer between a client's Workday tenant (Web Services API) and Active Directory, automating employee lifecycle provisioning and deprovisioning across downstream client systems.
- **AI agent infrastructure** – Deployed autonomous LLM-based agent systems with secure reverse-proxy configurations and API orchestration for task automation.
- **Observability stack** – Designed and implemented Grafana LGTM (Loki, Grafana, Tempo, Mimir) deployments for real-time monitoring, log aggregation, and distributed tracing across client environments.
- **Lumina** – Cross-platform mobile development using Kotlin Multiplatform (KMP) and Compose Multiplatform (CMP); additional consulting on application security architecture.

**STACK** Go, C# / .NET, Kubernetes, GCP, Kluctl, Active Directory, Grafana LGTM, Docker, Podman, RHEL / Rocky Linux

## Citrine Studios

06/2025 – PRESENT · REMOTE

### Lead Developer

Lead Shopify-based e-commerce development across custom theme work, product page redesigns, and storefront optimizations. Implement marketing automation workflows integrating Klaviyo, SMS platforms, and Shopify event triggers. Consult on structured data & schema, SEO, and B2B/wholesale pricing configurations for retail clients.

**STACK** Liquid, JavaScript, Shopify 2.0, Klaviyo

## Wolfjaw Studios

02/2023 – 10/2024 · REMOTE

### Senior Software Engineer

Contracted development for major game studios (some details under NDA).

- **31st Union** (unreleased project) – C++ development in Unreal Engine; improved integration with UI frameworks (ImGui), built proprietary plugins for social and authentication solutions, and led adoption of the Lyra sample game as a testbed for new features.
- **Bungie** – Developed WPF desktop tooling using proprietary and commercial frameworks; built new C#-based API features in middleware.

**STACK** C++, C#, Unreal Engine, WPF, ImGui

## Intuit (Mailchimp)

04/2022 – 02/2023 · ATLANTA, GA

### Senior Software Engineer

- Migrated the customer-interaction event pipeline from log-based ingestion to GCP PubSub streaming, reducing thundering-herd lag from hours to minutes across hundreds of thousands of events in the core user-activity logging system.
- Developed search and user-categorization features on a Kafka → ElasticSearch pipeline (PHP/Laravel-derivative backend).
- Instrumented performance metrics and dashboards for the user event pipeline.
- Contributed to Dojo → React migration of user search and segmentation features within a new SPA framework.

**STACK** PHP / Laravel, Kafka, ElasticSearch, GCP PubSub, React

## Mailchimp

12/2016 – 04/2022 · ATLANTA, GA

### Site Reliability Engineer

- Implemented ProxySQL with load-aware query routing to eliminate the data-science MySQL replica fleet, restoring production data access for analytics teams without OLTP impact.
- Spearheaded OpenTelemetry instrumentation rollout across core product and dependent services.
- Administered the engineering organization's GitHub Enterprise and Jenkins infrastructure — upgrades, configuration, maintenance, and new workflow implementations.
- Embedded with product teams to implement reliability-focused features: traffic analysis, performance / usability metrics, dashboards, and KPI tracking.
- Maintained production environments using Puppet across containerized (Kubernetes — on-prem and GCP managed) and virtualized technologies; on-call rotation and incident response.

**STACK** Go, Python (Flask), Kubernetes, Docker, MySQL, ProxySQL, OpenTelemetry, Puppet, GCP

## Pindrop Security

07/2015 – 12/2016 · ATLANTA, GA

### QA Automation Engineer

- Embedded SDET on the Fraud Detection System appliance product deployed to call centers and financial institutions. Built custom Ruby scripts to replay SIP calls for load testing, driving a 25% improvement in call processing throughput.
- Drove adoption of Python-based automated testing (Locust, Lettuce, Selenium) for functional and regression coverage.
- Assisted with release management and CI/CD practices via Jenkins.

**STACK** Ruby, Python, SIP, Locust, Lettuce, Selenium, Jenkins, qTest

## VMware (AirWatch)

06/2013 – 07/2015 · ATLANTA, GA

### Senior QA Engineer

- Helped lead development of the organization-wide QA automation framework (Cucumber/Watir), mentored junior engineers, and drove framework adoption across web-based product areas.
- Primary QA owner for Mobile Device Management (MDM) device enrollment and LDAP integration across iOS, Android, and Windows Phone 8.
- Resolved customer support escalations for network LDAP integration and enrollment issues.
- Administered Windows Server identity test environments (Active Directory, OpenDJ, OpenLDAP).

**STACK** Cucumber, Watir, Active Directory, LDAP, OpenLDAP, OpenDJ

## PROJECTS

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**codebase-intel** – MCP server, Go

[github.com/AustinSchoen/codebase-intel](https://github.com/AustinSchoen/codebase-intel)

Go-based Model Context Protocol server providing AI agents with deep codebase understanding. Hybrid semantic + keyword search via Voyage AI embeddings and Qdrant, with tree-sitter parsing for intelligent code chunking. PostgreSQL metadata store with graph-based symbol resolution; designed to scale to 30M+ LOC codebases.

**Canopy** – Grafana plugin, TypeScript

Grafana App Plugin (TypeScript/React) for real-time structured log streaming from Loki via WebSocket. Built on the Grafana Scenes framework – collapsible JSON tree viewer, queryless label-based filtering, and live tail with pause/resume. Designed for monitoring autonomous AI agent activity.

**Pique** – Mobile prototype, Flutter

Mobile application prototype built with Flutter/Dart targeting iOS. Developed UI components, navigation architecture, and local state management for a social discovery platform.

## EDUCATION

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### Kennesaw State University

B.S., Information Security & Assurance

2013