

Alex Davidson

Principal / Staff Software Engineer | Platform Modernization | AWS Serverless

Principal/Staff-level IC engineer specializing in legacy platform modernization, AWS serverless architecture, full-stack product delivery, and production reliability.

hello@alexdav.com | <http://linkedin.com/in/alexcdav>

Principal-level software engineer with 16+ years building, modernizing, and operating production web platforms. Hands-on owner across React/Next.js, TypeScript, Python, AWS serverless, PHP/Drupal legacy systems, relational databases, event-driven architecture, and production reliability. Strongest fit for Staff/Principal IC roles involving platform modernization, high-risk workflow replacement, and reliable production delivery.

EXPERIENCE

RealtyMogul - Principal Engineer / Director of Engineering, Hands-On IC

January 2016 - June 2026 | Los Angeles until 2020; Remote thereafter

Principal Engineer, Feb 2024 - Jun 2026; Director of Engineering, Jan 2019 - Feb 2024. In both roles, remained a hands-on IC owner for architecture, implementation, production support, and modernization delivery.

- Led hands-on modernization of a legacy Drupal 7/PHP/MySQL investment platform into React/Next.js, TypeScript, Python Lambda APIs, AWS serverless infrastructure, and Postgres/Supabase services.
- Replaced legacy investor and admin workflows for account selection, qualification, accreditation, identity verification, funding, e-signature, document upload, investment records, distributions, tax documents, messaging, and support operations.
- Architected and maintained a TypeScript/SST serverless platform with 80+ internal packages, 95 Lambda declarations, SQS/DLQ pipelines, S3-backed batch jobs, EventBridge schedules, Cognito authentication, KMS-backed flows, and Postgres/Supabase services.
- Owned high-risk production workflows for investments, authentication, data sync, distributions, and operations across Drupal 7 modules, Python APIs, TypeScript Lambdas, SST infrastructure, and Supabase schema/RLS governance.
- Built legacy-to-modern data integration between MySQL and Postgres/Supabase using event-driven sync, outbox patterns, idempotent handlers, retry/backoff logic, dead-letter queues, and operational diagnostics.
- Worked across the full production surface: legacy Drupal/PHP modules, admin tools, serverless APIs, investor dashboards, data bridge services, infrastructure definitions, and deployment/debug workflows.
- Hardened production operations with feature-flag kill switches, RLS/permission governance, schema-drift checks, CI validation, deployment runbooks, reproducible debug workflows, and primary escalation ownership.

KWALL - Drupal Engineer

January 2010 - January 2016 | Newport Beach, CA

- Built and maintained Drupal/PHP websites and custom web applications for production client environments.
- Developed custom modules, CMS integrations, frontend templates, backend features, and MySQL-backed functionality.
- Supported launches, debugging, maintenance, hosting coordination, and client-driven production changes.

CORE SKILLS

React, Next.js, TypeScript, JavaScript, Python, PHP, AWS Lambda, API Gateway, EventBridge, SQS/SNS, DynamoDB, RDS, S3, CloudFront, Cognito, IAM, VPC, KMS, CloudWatch, SST, AWS CDK, Docker, Postgres, Supabase, MySQL, CI/CD, Production debugging, Serverless architecture, Event-driven systems, Data migration, Incident response, Observability, Platform engineering

EDUCATION

University of Arizona

Bachelor of Science (BS), Computer Science