

David Domingo

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SUMMARY

Staff/Principal-level Software Engineer and technical leader with 15+ years building scalable, event-driven systems and high-performance frontends.

Deep experience across architecture, integrations, and cloud platforms (AWS, Kubernetes). Known for accelerating teams (trunk-based dev, feature flags), modernizing infra (CDK → Pulumi), and delivering durable, developer-friendly platforms.

Focus areas: integrations, payments, microservices, CI/CD, observability, and data pipelines.

SKILLS

Architecture & Leadership: Systems Design; Event-Driven Architecture; Microservices; Domain Modeling; Integrations; APIs

Frontend: Angular; React; Next.js; RxJS; GraphQL (Apollo); Web Performance; Design Systems; Accessibility

Backend: Java/Kotlin (Spring Boot); Go; Node.js/TypeScript; Python/FastAPI; Webhooks; gRPC/REST

Cloud & DevOps: AWS (EKS, ECS, Lambda, API Gateway, SQS, S3); Kubernetes; Docker; IaC (CDK, Pulumi, Terraform); CI/CD

Data & Messaging: PostgreSQL; DynamoDB; Snowflake; Redis; ClickHouse; NATS; EventBridge; ETL/ELT

Practices: Trunk-Based Development; Feature Flagging; Testing Strategy; Code Reviews; Mentorship; Incident Response

PROFESSIONAL EXPERIENCE

PetScreening — Mooresville, NC (Onsite)

Senior Staff Engineer | Dec 2025 – Present

- Lead the "Great Decoupling" initiative to decompose a mission-critical Ruby on Rails monolith into domain-oriented services and a standalone Next.js frontend to minimize systemic risk and accelerate feature delivery.
- Architect a microservice-based integration layer using TypeScript and Kotlin plus NATS on EKS to isolate third-party partner logic, enabling independent service evolution and improved system scalability.

- Drive company-wide engineering strategy and migration guardrails using Pulumi and AWS (EKS, Lambda, RDS) to execute high-impact system transformations while ensuring long-term architectural consistency.
- Establish a long-term modernization roadmap to progressively transition legacy backend domains into TypeScript-based services and Kotlin services.

Tech: Next.js, React, Ruby on Rails, Spring Boot, TypeScript, NX, NATS, AWS (EKS, S3, SQS, RDS, Lambda), Snowflake, Pulumi

Staff Solutions Engineer | Jul 2025 – Present

- Architected and released FidoAlert V2 by leading an autonomous full-stack team through rapid iteration cycles using NestJS, BullMQ, and React+TanStack on Railway and Supabase.
- Architect standardized, event-driven partner integrations using Kotlin, Spring Boot, and NATS on EKS to reduce engineer-hours per onboarding and enable repeatable, secure data exchange patterns.
- Build and operate a core webhook routing service in Go to authenticate, route, and audit cross-partner data flows across internal microservices.
- Lead external design sessions, translating business requirements into scalable integration designs and SLAs.

Tech: Kotlin, Java, Spring Boot, Go, NestJS, NATS, EKS, AWS, Kubernetes, OAuth/Webhooks, Observability

Staff Engineer | Jan 2024 – Jul 2025

- Scaled engineering from 2 → 15 (650%) while establishing architecture guardrails, code review rituals, and on-call.
- Championed trunk-based development and feature flags to decouple deployments from releases and increase delivery velocity.
- Designed the core partner-integration backbone with AWS API Gateway, SQS, and ECS for a decoupled, event-driven architecture resilient to partner variability.
- Modernized cloud IaC: introduced AWS CDK and guided a strategic migration to Pulumi for reliability and consistency.
- Managed and mentored a distributed team across 7 product streams; instituted design docs, ADRs, and incident postmortems.

Tech: AWS (API Gateway, SQS, ECS, Lambda), CDK, Pulumi, Docker, Terraform, CI/CD, Feature Flags

ParetoHealth — Remote

Senior Software Engineer | May 2023 – Jan 2024

- Rebuilt the company design system in Angular and authored a custom SASS utility framework (Tailwind-like) with atomic classes and code generation to standardize UI and speed delivery.
- Built internal apps (Angular) on a serverless backend to streamline sales and underwriting operations and reduce manual work.
- Implemented a serverless data stack with DynamoDB and TypeScript Lambda resolvers (AppSync) to integrate third-party services and improve data quality and agility.

Tech: Angular, TypeScript, SASS, AppSync, DynamoDB, Lambda, Node.js, AWS, Design Systems

Bonus Homes — Remote

Senior Software Engineer | Jun 2022 – Apr 2023

- Architected an event-driven ETL pipeline with AWS EventBridge, Lambda, and ECS, provisioned end-to-end via AWS CDK (TypeScript) to automate ingestion and normalization for underwriting.
- Delivered GraphQL (Apollo/Node.js) and REST (Python/FastAPI) APIs powering a Next.js app and internal tools.
- Owned the full product lifecycle across infra, backend, and frontend in a high-agency startup environment.

Tech: AWS (EventBridge, Lambda, ECS, S3), CDK (TypeScript), Node.js, Apollo GraphQL, Python, FastAPI, Next.js

Sunday — Remote

Software Engineer | Apr 2022 – Jun 2022

- Shipped payments and checkout features integrating Stripe and Toast POS; resolved integration bugs and data sync issues.
- Refactored checkout UI and styles to match updated designs; added Swile Mastercard detection for broader acceptance.
- Maintained services across React, Spring Boot, and Postgres on GCP/Kubernetes; improved CI/CD reliability.

Tech: React, Spring Boot (Java), Postgres, GCP, Kubernetes, Stripe, Toast POS, CI/CD

Slalom — Charlotte, NC

Senior Consultant | Aug 2020 – Feb 2022

- Cut new-hire onboarding from days to minutes using dev containers to automate dependencies and environments.
- Led migration from Scala/Teradata to Python/FastAPI and Snowflake to improve maintainability and hiring velocity.

- Led Angular frontend for an internal B2B analytics tool to deliver complex reporting UX.

Tech: Angular, Python, FastAPI, Snowflake, Docker, Dev Containers, Terraform, CI/CD

EARLY CAREER (2014 – 2020) — details on request

- Lead Developer at PayTomorrow: built microservice architecture from the ground up (Java Spring Boot, Angular) and observability/deployment foundations.
- Additional roles across full-stack engineering, integrations, and performance tuning (2014–2020).

EDUCATION

M.S., High Performance Web Development — La Salle Universitat Ramon Llull (Barcelona)

B.S., Multimedia Engineering — La Salle Universitat Ramon Llull (Barcelona)

LANGUAGES

English (Native), Spanish (Native), Catalan (Native)