Kevin Schmelter | Full Stack Software Engineer

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Full stack engineer with 4+ years of production experience building and operating integration-heavy systems across e-commerce, logistics, and SaaS. My work spans the full stack, with deep specialization in complex UI/UX, platform and backend architecture, APIs, and distributed systems. I focus on building systems that are correct, observable, and performant under real production load

Skills

Languages: TypeScript, JavaScript, Python, SQL, GraphQL, Java, Bash
Frameworks: Node.js, Express.js, Nest.js, React.js, Next.js, Tanstack, React Native, Tailwind CSS, Langchain
Technologies: PostgreSQL, Redis, BullMQ, Docker, CI/CD, AWS, Azure, GCP, Vercel, Supabase, Linux, Stripe, Open-Source, AI, MCP

Experience

Full-Stack Engineer | American Digital Marketing | Aug 2024 – Jan 2026

- Owned the design and architecture of the ADM commerce platform, shaping system boundaries, core workflows, integrations with external sales channels and ERPs, and the underlying data model.
- Built the platform foundation, including PostgreSQL schemas and migrations, transactional workflows, shared infrastructure (auth, validation, logging, error handling), automated tests, and CI/CD.
- Contributed to team execution and code quality, participated in code reviews, improved GitHub-based development and release workflows.
- Owned and operated robust commerce microservice integrations (Shopify, Amazon, Walmart, Wayfair, eBay), spanning products, inventory, fulfillments, order operations, ETL pipelines, and analytics (dbt).
- Delivered optimized headless storefront and internal ops applications using Shopify, Next.js, TypeScript, Tailwind, and shadcn.

Web Developer | Rug Pad USA | Oct 2022 – Aug 2024

- Led development of Rugpadusa.com using Next.js, Sanity, Shopify, and custom Shopify applications.
- Designed and built Rugpadweb, an internal operational platform used for customer service, reporting, and service monitoring, with authentication integrated via Azure Entra ID.
- Developed a TypeScript npm package for monitoring and surfacing automated service errors.
- Built a React Native (Expo) Zebra application to replace UPS package scanning for warehouse operations.
- Developed Amazon Ads data ingestion pipelines using AWS SQS, Azure Functions, and Cosmos PostgreSQL.

Projects

Schema-Driven Backend Platform & API Framework:
- Designed a backend framework for runtime data modeling over PostgreSQL.
- Implemented dynamic entities and relationships with validation and role based authorization on users and api keys.
- Built automated Admin UI and REST/GraphQL API generation from shared schemas.

Tech: Next.js , React Query, Node.js, TypeScript, PostgreSQL, Redis, REST, GraphQL, S3-compatible storage

Linkpoint — MCP Server Gateway & Router | Github: linkpoint-proxy, linkpoint-frontend
- Built a multi-tenant platform to provision, deploy and proxy multiple MCP servers.
- Implemented request routing, protocol mediation, and server isolation.
- Exposed multiple MCP servers behind a single MCP-compatible endpoint.

Tech: Next.js, Express, TypeScript, PostgreSQL, Redis, GCP, Fly.io, containerized Docker services, Stripe

Education

A.S. in Computer Science — Southern New Hampshire University (2021 – 2023)