Keith Downing, Full-Stack Software Engineer

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Professional Summary

Full-stack software engineer and Software Engineer 3 with 4+ years building and owning production applications that replace complex business workflows. Experience across React, Next.js, TypeScript, Python/Django, SQL, reporting, integrations, data modeling, product ownership, stakeholder delivery, and operational reliability.

Technical Skills

Languages & Frameworks:	TypeScript, JavaScript, Python, SQL, React, Next.js, Django, Node.js
Data & APIs:	PostgreSQL, Supabase, GraphQL, Drizzle ORM, Zod
Tools & Platforms:	GitHub, Bitbucket, Jira, CI/CD, Storybook, Clerk, Google Analytics
Integrations:	QuickBooks, Stripe, Google Maps, Zoho

Professional Experience

APAX Software

January 2022 - Present

Software Engineer 3

Engineering Scope & Promotion Progression

- Promoted from Software Engineer to Software Engineer II to Software Engineer 3 while expanding from application development into full-stack feature ownership, client-facing delivery, and product ownership.
- Delivered production features across multiple client applications using React, Next.js, TypeScript, Python/Django, GraphQL, PostgreSQL, Supabase, and Drizzle ORM.
- Owned full-stack work spanning database schemas, backend APIs, frontend workflows, integrations, analytics instrumentation, and production support.
- Contributed to data-heavy search and export workflows, shared developer tooling, reusable UI patterns, and application reliability work.

Mass Lodge - Enterprise Travel Operations Platform

- Served as Product Owner & Engineer for a multi-year enterprise travel operations platform, translating client requirements into technical scope and owning features from planning and demos through production delivery.
- Built and refined workflows across hotel search, travel requests, reservations, invoicing, credit-card authorization, reporting, and administration.
- Built managed taxonomy systems for hotels, chains, amenities, market segments, management companies, and room types as the platform moved away from hard-coded enums.
- Worked on QuickBooks authentication/token handling, operational validation, permissions, application health, and production stability.

KIPRC / FindHelpNow - Public Health Platform

- Developed and maintained public- and admin-facing features using React, Next.js, GraphQL, Django, and Python.
- Owned facility administration workflows for contact details, hours, availability, policies, publication, service data, and provider-facing updates.
- Implemented production analytics instrumentation for Guided Search, designing Google Analytics events around completed user workflows rather than noisy intermediate interactions.
- Built Google Maps address entry and facility location workflows while contributing accessibility and reusable UI improvements.

ABG Rebate Platform

- Delivered full-stack rebate-management features across program rules, customer administration, submissions, bulk uploads, duplicate prevention, and reporting.
- Owned vertical feature work from database/schema changes through API/server logic and React table/dialog workflows.
- Implemented business rules for per-home minimums, tiers, medallion constraints, program eligibility, signed contracts, and inactive customer/program states.

TimberSync - Land Data Search and Pricing Platform

- Expanded parcel and portfolio search to support pricing calculations, shared filtering, acreage thresholds, no-attribute searches, tabbed result states, and Excel exports across complex land datasets.
- Added portfolio pricing behavior across formula applicability, user-facing warnings, footer totals, and export calculations.
- Worked across Drizzle/PostgreSQL queries, Excel export services, React search UI, and focused tests for search and pricing behavior.

Play1 Media July 2025 - September 2025

Full-Stack Developer

Play1 - Enterprise Fundraising SaaS Platform

- Worked within a Next.js 15 Turborepo with Supabase Auth and Drizzle ORM, contributing across shared UI packages and multi-tenant fundraising features.
- Delivered features spanning authentication, organization context, sponsor directory UX, reporting, rich text editing, and outreach pages.
- Fixed organization-context bugs that affected direct navigation in a multi-tenant SaaS app.

Awesome Inc September 2022 - August 2023

Bootcamp Instructor (Part-time)

Web Development Bootcamp - Warmups Instructor

- Facilitated daily coding warmups in a 16-week full-stack bootcamp, guiding students through problem-solving and foundational concepts.
- Adapted teaching for in-person and remote formats while collaborating with lead instructors on curriculum integration.

Prior Experience

Lexington-Fayette Urban County Government May 2020 - August 2021

Financial Coordinator

- Managed $26M+ in state and federal grant funding across 49 active programs, preparing compliance and financial reports for local, state, and federal oversight.

Creative Lodging Solutions March 2013 - May 2020

Customer Service Consultant -> Account Manager -> Billing Specialist

- Advanced through three roles, ultimately managing billing operations, invoice reconciliation, and internal software QA feedback for 25+ enterprise clients.

Education

Awesome Inc U 2021
Full-Stack Web Development Bootcamp

University of Kentucky 2012
B.S. Business Management