

# Keith Downing

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## Professional Summary

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Full-Stack Software Engineer with 4+ years of experience and a background in finance. Specialized in building scalable, user-focused web applications using React, Next.js, Django, GraphQL, and PostgreSQL. Known for owning features end-to-end, collaborating across teams, and translating complex business workflows into maintainable, production-ready systems.

## Technical Skills

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**Frontend:** React, Next.js (App Router), TypeScript, Tailwind CSS, Storybook

**Backend:** Django, Node.js, PostgreSQL, Supabase

**API & Data:** GraphQL (Apollo / Graphene), Drizzle ORM

**Validation & Auth:** Zod, Clerk

**Integrations:** Stripe, Dell Boomi (workflow development), Google Maps, QuickBooks

**Tools:** Git, Bitbucket, Jira, Agile (Scrum), CI/CD

**Languages:** TypeScript, JavaScript, Python, SQL

## Professional Experience

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### Play1 Media

July 2025 – September 2025

*Full-Stack Developer*

#### Play1 — Enterprise Fundraising SaaS Platform

- Built complete TipTap-based rich text editor system from scratch with custom toolbar, color picker, link popover, and heading select components.
- Resolved 17 GitHub issues across authentication flows, organization context handling, sponsor directory UX, and outreach page improvements.
- Contributed 3,400+ net lines of TypeScript/React code to a Next.js 15 Turborepo monorepo with Supabase Auth and Drizzle ORM.
- Fixed critical organization-context bugs for direct navigation and refactored Supabase auth flow for multi-tenant data isolation.
- Enhanced sponsor directory with unique URL paths, scroll behavior fixes, and cache management improvements.

### APAX Software

January 2022 – Present

*Full-Stack Software Engineer / Product Owner*

#### Mass Lodge — Enterprise Travel Management Platform

- Served as Full-Stack Engineer and Acting Product Owner on an internal ERP platform built with Next.js, Supabase, Drizzle ORM, Zod, and Clerk.
- Contributed 397 commits across ~390 PRs, resolving 327 Jira tickets over an 18-month engagement (current).
- Led backlog grooming, sprint planning, demos, and retrospectives while translating complex business workflows into production features.
- Designed and implemented a Turborepo monorepo with modular packages, replacing Excel-based processes with automated, multi-tenant systems.

- Integrated QuickBooks, Google Maps, Zoho, and internal services to support billing, logistics, and customer support workflows.
- Maintained consistent delivery velocity with zero missed milestones, balancing feature development and system stability.

#### **FindHelpNow — CDC-Funded Public Health Platform**

- Developed and maintained public- and admin-facing features using React, Next.js, GraphQL, and Django.
- Contributed 216 commits and ~210 merged pull requests over a 2.5-year engagement.
- Built facility administration and real-time availability workflows used across multiple state jurisdictions.
- Led Section 508 / WCAG AA accessibility improvements, implementing ARIA patterns, skip navigation, and compliant color contrast.
- Implemented Google Analytics 4 (GA4) with custom event tracking for jurisdiction-level reporting.
- Resolved high-priority production issues while maintaining a stable, type-safe GraphQL and TypeScript pipeline.

#### **United Motorsports — E-Commerce Storefront Platform — Frontend Engineer | March 2022 – November 2022**

- Built customer-facing features for a React and TypeScript e-commerce storefront, contributing 65 commits and 32 merged pull requests.
- Developed core checkout and purchase flows, including cart management, shipping selection, order summaries, promo code validation, and Stripe payment integration.
- Implemented authenticated user account and address management using Formik/Yup validation and GraphQL mutations.
- Created 15+ reusable UI components adopted across checkout, cart, and account domains.
- Contributed to Dell Boomi integration workflows, preparing API contracts and middleware logic for future backend connectivity.
- Collaborated closely with backend and design teams to deliver production-ready UI within sprint timelines.

#### **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.
- Provided mentorship and feedback to foster critical thinking and support student success.

## Prior Experience

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### Lexington-Fayette Urban County Government

May 2020 – August 2021

#### *Financial Coordinator*

- Managed \$26M+ in state and federal grant funding across 49 active programs.
- Prepared compliance and financial reports for local, state, and federal oversight.
- Reviewed contracts, reconciled budgets, and supported audit activities.

### Creative Lodging Solutions

March 2013 – May 2020

#### *Customer Service Consultant ' Account Manager ' Billing Specialist*

- Advanced through three roles, ultimately managing billing operations for 25+ enterprise clients.
- Led invoice reconciliation and delivery while maintaining strict financial accuracy.
- Collaborated with AP/AR teams to resolve disputes and ensure compliance.
- Provided QA feedback on internal software and managed long-term client relationships.

## Education

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### Awesome Inc U

Graduated December 2021

Full-Stack Web Development Bootcamp

### University of Kentucky

Graduated December 2012

B.S. Business Management