

KHAYDEN ROBERTS

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-stack engineer specializing in React, Next.js, TypeScript, and Go, with production experience building scalable APIs, multi-tenant data architectures, and CI/CD-automated deployment pipelines. Skilled in automated testing with Playwright and GitLab CI/CD, with a proven track record shipping high-availability features and platforms from design through deployment in Agile teams.

EXPERIENCE

Full Stack Developer — Switchyard (Remote)

June 2026 – Present

- Built a full-stack CRM platform for a private equity firm using Next.js, React, TypeScript, PostgreSQL, and Prisma, supporting 100+ investment opportunities across 8+ deal pipeline stages.
- Designed relational schemas and Prisma models with PostgreSQL Row-Level Security, enabling secure multi-tenant data access for 10+ organizations.
- Integrated Microsoft Graph API (OAuth 2.0) to enable Outlook email and calendar synchronization with encrypted token management, eliminating manual email and calendar logging.
- Improved frontend and backend performance by 35% through reusable component architecture, server-side rendering optimizations, and database query tuning.

Full Stack Developer — Adobe (Remote)

March 2026 – June 2026

- Developed full-stack features using React, TypeScript, Go, and GraphQL, serving thousands of internal users.
- Built and maintained REST APIs handling 10,000+ requests per day while sustaining 99.9% service availability.
- Automated CI/CD pipelines in GitLab, reducing deployment time by 70% and streamlining software delivery.
- Wrote and maintained automated end-to-end and regression test suites with Playwright, integrating them into GitLab CI/CD pipelines to catch defects before release.
- Designed responsive, reusable React UI components in collaboration with engineering, design, and product teams using Agile workflows.

PROJECTS

Veritus – AI Legal Intelligence Platform (AI Systems Engineer)

08/2025 – Current

- Designed and deployed a RAG architecture utilizing OpenAI LLMs and Pinecone embeddings for jurisdiction-specific legal intelligence.
- Extracted, cleaned, structured, and embedded statutory corpora with metadata tagging.
- Implemented a hybrid vector-based and relational database architecture for high-precision retrieval.
- Developed anti-hallucination safeguards for citation enforcement, source verification, and metadata validation.
- Developed adaptive LLM response modes for dynamic output complexity and reasoning depth.
- Reduced domain-specific research time by 80% through structured indexing and AI-driven retrieval.
- Integrated CI/CD pipelines and cloud deployment for scalable model serving and APIs.
- Experimented with prompt engineering, embedding optimization, and retrieval tuning for improved accuracy and relevance.

FoodHub

github.com/Hoochymoochy/FoodHub

- Architected a microservices-based online food ordering platform (6 services) with JWT authentication, a MongoDB-backed catalog service, a Redis-backed basket service, RabbitMQ messaging, and SQL Server order processing.
- Designed the architecture to support independent deployment and horizontal scaling across all 6 services.
- Load-tested the platform to support 250+ concurrent users while maintaining responsive API performance.

EDUCATION

SKILLS

Languages: TypeScript, JavaScript (ES6+), Go, Python, HTML5, CSS3

Frameworks/Libraries: React, Next.js, Tailwind CSS

Backend & APIs: REST APIs, GraphQL, Node.js, Prisma ORM

Databases: PostgreSQL, SQL, Redis, MongoDB, SQL Server

Testing & QA: Playwright, Automated Test Development, Manual & Regression Testing, RESTful API Testing

Cloud & DevOps: AWS, Azure, Vercel, Supabase, Docker, Git, GitLab CI/CD

Other: OAuth 2.0, Microsoft Graph API, Agile Development, Database Design, Cross-Functional Collaboration