

Kevin Andrews

📍 Everett, WA ✉ andrewskevin92@gmail.com ☎ (509)899-2771 🌐 in/andrewskevin92 📧 kevinandrews.info

SUMMARY

Full-stack engineer with 5+ years building production systems, specializing in React/TypeScript applications and recent focus on AI integration and developer tools. Architected scalable solutions processing 160M+ records and 43K+ messages, with proven ability to optimize performance (10min → 5min query times). Successfully integrated language models into production workflows including knowledge graph processing (\$0.00002/document) and batch optimization systems. Experienced in rapid prototyping, API integration, and translating complex requirements into user-friendly tools. Passionate about AI-assisted development and creating AI systems that enhance productivity for both developers and everyday users.

EXPERIENCE

Senior Data Analyst & Web Developer

Bonanza.com

August 2019 - Present, Seattle

- Previous roles at company since 2016 as support agent and marketing project manager.
- Architected full-stack analytics platform processing 160M+ order records from legacy MySQL 5.7 database, optimizing query performance from 10+ minutes to under 5 minutes using Polars and advanced SQL techniques.
- Built React/TypeScript dashboards with 13 internal views using Tanstack Router/Query, implementing complex data visualizations while working within constraints of read-only database access.
- Developed AI-powered listing optimization tool using OpenAI batch API to enhance 4,500 product titles in 30 minutes at \$0.00003/listing, improving marketplace SEO and conversion rates.
- Engineered scalable multi-tenant architecture with PostgreSQL and Express backend on AWS, implementing secure authentication and private routing for internal team and future B2B customers.
- Maintained production systems serving daily active users while managing Google Ads, email campaigns, and cross-functional technical projects as acting General Manager.

Freelance Software Engineer

Fred Astaire Dance Studio

November 2023 - Present

- Built production SaaS platform as solo engineer: Full-stack SMS system enabling 12 studios to engage 9,000+ leads directly from Zoho CRM, processing 43,000+ messages.
- Architected scalable infrastructure with complex multi-tenant routing logic to dynamically switch between studio-specific Twilio numbers based on agent context and permissions.
- Optimized user experience by creating custom Zoho CRM extension with intuitive chat interface, reducing friction for non-technical users while maintaining secure access control.
- Shipped end-to-end solution in 4 weeks using Next.js, TypeScript, Prisma, PostgreSQL, with automated welcome sequences, webhook orchestration, and real-time message synchronization.
- Maintained and scaled production system with Sentry monitoring, rapidly iterating based on user feedback, diving into unfamiliar Zoho ecosystem to enhance features and resolve edge cases.

Full Stack Engineer

Masakali Retreat

June 2020 - Present

- Built production booking platform from scratch: React/Redux → Next.js migration.
- Integrated real-time inventory sync across Booking.com, Airbnb via Smoobu API.
- Replaced polling with webhook architecture: 3+ seconds → instant updates.
- Implemented complex availability logic for 5 listings with conditional blocking rules.
- Processed \$30K in direct revenue with zero double-bookings.
- Integrated Indonesian payment processor Xendit after Stripe with limited documentation.

- Built multi-CDN image optimization and automated lead capture system.

PROJECT

Knowledge Graph MCP Server

github.com/Andrewske/kg-memory-mcp • July 2025 – Present

- Production AI system processing documents into semantic knowledge graphs.
- 3-stage distributed pipeline: extraction → concepts → vector embeddings.
- 85-second processing, \$0.00002/document, 106 triples + 424 embeddings per doc.
- Built both HTTP and STDIO versions following MCP protocol.
- Integrated academic research into production implementation.
- Evaluated model capabilities across GPT-4 variants for optimal pipeline performance.

AI Product Title Optimizer

Bonanza • August 2025 – Present

- Batch processing system using OpenAI GPT-4o-mini for e-commerce optimization.
- Processes 4,500 listings in 30 minutes at \$0.00003/item cost.
- Enterprise-scalable solution with linear performance characteristics.

Multi-Agent Personal Management System

- Custom AI agent ecosystem using Claude Code for multi-project workflows.
- Built domain-specific agents: career coaching, technical documentation, project management.
- Advanced prompt engineering and agent specialization techniques.
- Leveraged MCP architecture for personal knowledge management beyond traditional coding.

EDUCATION

BS in Business Administration with a specialization in marketing

Central Washington University • Ellensburg, WA • 2026

SKILLS

Languages: JavaScript, TypeScript, Python, SQL

Frontend: React, Next.js, Tailwind CSS, Responsive Design

Backend: Node.js, Express.js, PostgreSQL, MySQL, RESTful APIs, Prisma

AI/ML: OpenAI API, Language Model Integration, Prompt Engineering, Vector Embeddings, MCP Protocol

Tools & Infrastructure: Git/GitHub, AWS, Vercel, Jest, Performance Optimization, Webhook Architecture, Cloud Infrastructure (AWS)

Core Competencies: Full-Stack Development, System Architecture, Database Optimization, Multi-API Integration
