

Preston Wallace

SENIOR FULL STACK SOFTWARE ENGINEER

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Building **AI-powered systems** and scalable platforms from **0→1** to production.
Leading projects end-to-end with **strong ownership** across architecture and delivery.

Frontend: React, TypeScript, Next.js, tRPC, Tailwind, React Native, Vue

Backend: Node.js, GraphQL, REST, Prisma, PostgreSQL, MySQL, MongoDB, Python

Architecture: Micro Frontends, Backend-for-Frontend (BFF), Event-Driven Systems (SQS/Kafka)

Cloud & Infra: AWS, GCP, Docker, Kubernetes, CI/CD, Terraform

AI / LLM: RAG pipelines, production LLM systems, prompt design, background agents, eval loops

EXPERIENCE

Senior Full-Stack Software Engineer (TypeScript/React) – MNTN (Full-Time, Remote) | Jul 2021 - Present

- MNTN Go: **Led 0→1 platform rewrite**; defined architecture, bootstrapped repo, built CI/CD, and integrated with legacy systems while establishing system boundaries and API contracts for scalable, loosely coupled services
- **Owned AddDNA (AI/RAG)** across 10 engineers: designed pipeline; reduced campaign build time and churn (~15%)
- **Deliverability (AI)**: Built predictive budget-spend system, increasing revenue by 40% and decreasing support tickets.
- Introduced **micro frontends + BFF**, reducing merge conflicts ~50% and improving team velocity
- Architected Node + GraphQL APIs improving performance up to **90%**
- Designed & owned **CI/CD pipeline + infrastructure (Docker, Terraform, AWS/GCP)**, reducing test-build-deploy time by 40%.
- Doubled developer velocity using **AI-assisted workflows** (background agents) and strong system design patterns
- Bootstrapped, tested & shipped flighted budgets feature, boosting seasonal ad revenue up to 30%.

Full-Stack Software Engineer (Node/Vue/REST) – Liquidity Services (Full-Time, Remote) | Apr 2019 - Jul 2021

- **Owned development of warehouse management system**, reducing processing time 20% and saving ~\$2M annually
- Designed and implemented internal inventory data-collection tool, improving data lookup efficiency by ~85%
- **Defined API patterns and improved system reliability**, increasing test coverage from 0% → 70%
- Led integration with external systems (e.g., Stripe), eliminating sensitive data storage and improving security posture

Lead SWE Instructor / Curriculum Writer – Multiverse, Fullstack Academy (Part-Time, Remote) | 2019 - 2023

- Wrote & delivered 12-week SWE bootcamp (Google, Verizon, Barclays), generating \$10M+ revenue, achieving +70 NPS.
- Led 6 instructors, managed 10-cohort curriculum, and delivered 550+ hours content of live code demo on Web Dev

Network Admin, Assistant Manager, Web Dev – K.Jons Diamonds & Gems Atascadero, CA | until 2018

- Designed and managed major version of company e-commerce site, with 1000+ items, and total inventory value of \$800K.
- Increased traffic to site by 100%, and landed site first-position worldwide in Google SERP listings for keywords.

SELECTED AI SYSTEMS

LLM Contact Discovery System (2026)

Built full-stack LLM-powered scraping pipeline to identify and enrich sales prospects across target orgs.

AI Instructor Validation (2025)

Real-time search + webhook system for access control; delivered 85% time savings (~5K hours/year)

AI Office Hours Automation (2025)

OCR + API system integrated with Salesforce; generated \$500K+ annual efficiency gains (400% ROI)

ChatDTC Data/Document Chat (2023-24)

Deployed production AI chat platform with \$24K ARR, including infra ownership (EC2)

SPOKEN LANGUAGES – English, French, Spanish

INTERESTS – Real Estate Investing (single-family rental properties), Fitness (running, strength training)