Preston Wallace
FULL STACK SOFTWARE ENGINEER

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I'm a **Startup-tested engineer** passionate about building
scalable SaaS and AI systems that streamline **complex, real-world workflows.**

FRONTEND: React, TypeScript, Next.js, tRPC, Tailwind, React Native, Vue, Figma
BACKEND: Node.js, Express, GraphQL, REST, Prisma, PostgreSQL, MySQL, MongoDB, Python (API scripting, data tooling)
ARCHITECTURE: Micro Frontends, Backend-for-Frontends (BFF), Event-Driven Systems (SQS, Kafka)
CLOUD & INFRA: AWS, GCP, Docker, Kubernetes, CI/CD
AI TOOLS: Cursor, Background Agents, GitHub CoPilot, CodeRabbit, CodeGuide.dev, V0, UXPilot

EXPERIENCE

Senior Full-Stack Software Engineer (TypeScript/React) – *MNTN* (Full-Time, Remote) | Feb 2023 - Present
- **AdDNA (AI):** Led 10-person team to build web scraping app (RAG), cutting campaign build time 90% and reducing churn 15%.
- **Deliverability (AI):** Built predictive budget-spend system, increasing revenue by 40% and decreasing support tickets by 25%.
- Designed and owned **CI/CD pipeline** (PR envs, Development, QA, Prod), reducing test-build-deploy time by 40%.
- Broke Campaign Service into **micro frontends**, integrating with Clerk for auth. Reduced merge conflicts by approx 50%.
- Leveraged Cursor **Background Agents** to automate PR creation, doubling developer efficiency.

Back End Software Engineer (Node/GraphQL/SQS/Kafka) – *MNTN* (Full-Time, Remote) | Jul 2021 - Jan 2023
- Built event-driven sync (SQS, Kafka), cutting idle compute costs and saving ~$40K/mo via on-demand scaling.
- Bootstrapped flighted budgets feature, boosting seasonal ad revenue up to 30%.
- Architected Node + GraphQL APIs, improving response times by up to 90%.

Software Engineer (Node/Vue/REST) – *Liquidity Services* (Full-Time, Remote) | Apr 2019 - Jul 2021
- Built warehouse management system, reducing sort time by 20% and saving $2M annually in software costs.
- Automated inventory data-collection tool, improving lookup efficiency by ~85%.
- Raised API test coverage from 0% to 70%, strengthening reliability.
- Integrated with external systems like Stripe, eliminating sensitive data storage in company databases.

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 up to 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.

PROJECTS
AI Instructor Validation (2025)
Full-stack web scraper that searches for dept head and sends automated auth/deny webhook API call to enable portal access.
Results in estimated 85% time savings for staff, and frees up estimated 5K people hours annually.
AI Office Hours Automation (2025)
Deployed API for OCR and instructor Office Hours lookup, updating internal data via Salesforce API calls
React/Node/TypeScript/PostgreSQL Web App. Saves estimated $500K in manual lookup time, with est year-1 ROI of 400%
ChatDTC Data/Document Chat (2023-24)
Full-stack AI chat app via documents processed from customer's data. I deployed and maintained prod EC2 instances. $24K ARR
Air Suspension Controller (2020)
React Native app, controlling vehicle air suspension via 2-way, real-time bluetooth communication with vehicle ECU.

CERTIFICATIONS
AWS Cloud Practitioner (2022) · Cisco Cybersecurity (2022) · Secure Coding (2020)

SPOKEN LANGUAGES – English, French, Spanish