

Harrison Miller

Developer Experience Engineer | AI & Full-Stack | SpaceX & Google Alum

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Developer Experience Engineer with a passion for building the tools, documentation, and streamlined workflows that empower developers to do their best work. My background combines experience building mission-critical internal tools at SpaceX with strategic partnership at Google, giving me a unique perspective on the entire software development lifecycle. I thrive on identifying friction points in the developer journey and architecting elegant, scalable solutions—from robust APIs and SDKs to rich documentation and high-availability testing environments.

Professional Experience

API & Systems Design Consultant | Independent Consultancy | Remote

May 2023–Present

- Advised early-stage companies on scalable data architecture and API design, focusing on microservices and SOA patterns to support long-term product growth
- Improved design and documentation for RESTful APIs, establishing best practices for endpoint naming, request/response payloads, and versioning to ensure a clean developer experience
- Architected a reference implementation for a full MLOps pipeline, providing developers with a clear, repeatable playbook for deploying high-availability AI applications
- Architected frictionless testing and staging environments using Docker and CI/CD, enabling development teams to ship code faster and with higher confidence

Software Engineer | Bond | Remote

Jul 2022–Apr 2023

- Wrote and maintained technical documentation guides for the Bond API, directly collaborating with senior developers at partner companies to reduce integration friction
- Designed and built internal dashboards that translated complex data into actionable insights for the Operations team, reducing manual reconciliation errors by 95%
- Architected and delivered a secure, compliant financial data pipeline for credit bureau integrations (Experian, TransUnion), enabling the core product for underbanked users
- Drove a 40% reduction in API sync execution time, significantly improving the feedback loop for developers and partners integrating with our mission-critical financial APIs

Partner Technology Manager, YouTube | Google | Remote

Jan 2021–Mar 2022

- Served as the primary technical liaison for YouTube's \$1B+ Film & TV vertical, translating partner requirements into actionable specs and troubleshooting API issues for their development teams
- Architected the data pipelines that powered interactive analytics dashboards, translating complex business requirements into a scalable, self-serve reporting system that reduced partner reporting time by 50%

Co-Founder | IvyBridge International Education | San Francisco, CA

Jun 2018–Feb 2023

- As the co-founder and sole full-stack engineer, I built and managed the entire development lifecycle—from CI/CD pipelines and testing frameworks to internal documentation—creating a highly efficient one-person Developer Experience
- Led product vision and technical architecture, scaling the edtech SaaS platform to \$230K+ in annual revenue and 5x user growth
- Architected and launched a full-stack B2B2C marketplace (Node.js, React, AWS), generating six-figure revenue within the first 90 days

Software Engineer | SpaceX | Hawthorne, CA

Nov 2017–Jun 2018

- Ensured 99.9% uptime for mission-critical internal ERP systems used by shop floor engineers for Falcon Heavy launch operations
- Delivered robust APIs for the Dragon 2 Crew capsule manufacturing lifecycle, improving the workflow and efficiency of the engineering teams relying on them

Education

Yale University | Bachelor's Degree: Psychology, Specialization in Computer Science | New Haven, CT
2017

Thesis: "Humor Evaluations in Human-Computer Interactions with Chatbots"

My thesis provided a foundational understanding of user psychology, directly informing a user-centric and empathetic approach to API, SDK, and AI product design

Core Competencies

- **Developer Experience & Tools:** API Design & Documentation, Technical Writing, Developer Advocacy, Testing Frameworks, Observability (Prometheus, Grafana)
- **AI & Full-Stack Engineering:** GenAI & LLMs (RAG, OpenAI), Python (FastAPI), JavaScript/TypeScript (Node.js, React), C#/.NET, MLOps
- **Cloud & Systems Architecture:** AWS, GCP, Docker, CI/CD, Microservices & SOA, Scalable Data Architecture, SQL