

AMANDEEP (AMAN) SINGH

AI Product Engineer & Platform Architect

Fresno, CA · aman1381singh@gmail.com · amansingh.co · linkedin.com/in/amand-singh

SUMMARY

AI implementation and product leader with 7+ years building and deploying AI systems in complex enterprise environments. Led architecture and rollout of an AI platform serving 30,000+ USPS employees. Founder building AI products for the trucking industry with 180 active users on the App Store. Effective at the intersection of product and engineering — can write the spec, understand the architecture, and get it shipped.

EXPERIENCE

Lead Engineer & AI Platform Architect

United States Postal Service · Full-time, Remote · April 2019 – Present

- Led architecture and enterprise-wide deployment of USPS's internal AI Data Platform, scaling from 1,000-user pilot to 30,000+ employees
- Designed PII detection and blocking at ingestion with zero false negatives; implemented role-based document access
- Built Okta-integrated identity verification, file approval workflows enforcing org hierarchy, and full audit logging
- Coordinated full-stack delivery across identity, frontend, backend, and Azure infrastructure
- Served as Scrum Master; mentored junior engineers on enterprise AI architecture patterns

Founder & AI Product Engineer

Logixtects Solutions LLC · Part-time, Remote · June 2025 – Present

- Building Rigsy Fleet — AI load evaluation platform using Claude tool use, SSE streaming, and live data from USDA, EIA, FRED, and BTS; PostGIS fuel station search across 1,768 US stations with net profit calculation per load (in development)
- Designed Rigsy Driver — voice-first AI co-pilot with GPS-verified detention tracking, nutrition logging by voice, multi-provider AI routing (Claude/GPT-4o/Gemini), and offline-first mobile architecture
- Truckers Routine: health and wellness app with 180 active drivers, live on App Store

AI Consultant / Chief Product Officer

Envoy Health · Part-time, Remote · January 2023 – Present

- Oversaw full product lifecycle in medical tourism space — ideation to launch — managing designers, developers, and PMs
- Architecting a conversational AI platform matching patients with doctors globally based on medical need, budget, and location
- Built AI-powered lead generation and outreach workflows, reducing manual effort and improving engagement at scale

SKILLS

AI & Product: Claude API / LLM Integration · Tool Use & SSE Streaming · Multi-provider AI Routing · RAG Systems · Conversational AI · Product Strategy

Backend: Python · FastAPI · Node.js · PostgreSQL · PostGIS · Redis · Celery · SQLAlchemy

Frontend: React · Next.js · TypeScript · Tailwind CSS · Zustand

Infrastructure: Azure · Docker · Railway · AWS S3 · Okta · CI/CD

Mobile: Swift / SwiftUI · iOS Development

Data: USDA / EIA / FRED / BTS APIs · Geospatial Queries · Data Pipeline Design

PROJECTS

Rigsy Fleet — AI load evaluation platform. Claude tool use, 4 live data sources (USDA/EIA/FRED/BTS), PostGIS fuel station search (1,768 stations), SSE streaming. *(In development)*

USPS AI Data Platform — Multi-tenant AI platform, 30,000+ users, PII detection, Okta, Azure. *(Production)*

Truckers Routine — Driver wellness app, 180 active users, App Store. *(Live)*

Rigsy Driver — Voice-first AI co-pilot architecture for truck drivers. GPS detention tracking, offline-first, multi-provider AI. *(In development)*

EDUCATION & CERTIFICATIONS

San José State University

B.S., Management Information Systems · 2012–2017

Memorisely — UX/UI Design · 2022

Coding Dojo — Full-Stack Web Development · 2018

Product Management Certification (*in progress, exam April 2026*)

Typography · Uxcel · 2024

Design Terminology · Uxcel · 2023