

Tarang Padia

Engineering Lead | AI Automation & Enterprise Systems | Spatial Computing

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Summary

Engineering lead with 7+ years building AI-enabled enterprise platforms, ecommerce/finance systems, and browser-based 3D/VR products for global brands. Hands-on architect across Python/TypeScript, RAG and agentic workflows, cloud backends, NVIDIA Omniverse/OpenUSD, WebRTC, and Unreal pixel streaming.

Experience

JLB USA

2024 – Present

Lead Engineer – AI & Enterprise Systems

Remote, United States

- Architect enterprise automation across CRM, ERP, CMS, and SCM; automated client intake-to-invoice workflows for BCA Law Firm , a 50-state immigration practice, with OpenAI API, n8n, LangChain/LangGraph RAG, pgvector, GoHighLevel, and HubSpot.
- Led end-to-end delivery of Magda Finance , unifying Shopify, Stripe, QuickBooks, and 3PL data for ecommerce bookkeeping, FP&A, payroll/tax workflows, rolling forecasts, and KPI dashboards.
- Built Python/Omniverse Kit extensions and a reusable data layer for an NVIDIA Omniverse-based SurrealXP product , binding Power BI/Fabric, Snowflake, SAP, and Azure data to OpenUSD digital twins with live scene updates.

SurrealXP (formerly Surreal Events)

2021 – 2024

Engineering Lead

Remote / Dubai, UAE

- Led and coded across frontend, backend, multiplayer, and DevOps teams delivering enterprise 3D/VR products for Sephora, Emirates, Celebrity Cruises, Nissan, Coca-Cola, Infosys, Renault, Global Payments, Tableland, and Mempoverse; cut GPU streaming cost **33%** through SG-RT migration and centralized signaling/fleet orchestration.
- Led Sephora Universe  with Publicis Sapient: beta reached **5,886** microsite active users and **942** immersive users / **2,099** logins; **46%** returned, with **9m 52s** average dwell and **3,259** product-detail clicks.
- Led Dubai engineering for Emirates MIRA  with AWS : VR/2D safety training designed for nearly **23,000** cabin crew; **8–10** crew can train concurrently per VR space across A380, 777, and A350 digital twins, reducing travel and physical training-asset expansion.
- Scaled Celebrity Cruises Wonderverse  to nearly **27K visitors in 7 days** with **26-minute** average engagement; led Nissan Hype Lab  from immersive vehicle exploration through quote, order, and purchase-contract completion.

Additional Engineering Experience: Drumworks, Software Engineer (2020–2021) | Octalooop, Full-Stack Developer (2019–2020). Built NFT analytics/alerts, B2B crypto-payment workflows, OIDC authentication, and AWS CI/CD with React, Node.js, Express, MongoDB, Amazon SES, and Telegram APIs.

Achievements

- 2024 Auggie Award – Best Web3 Implementation:** Sephora Universe .
- 2021 DecentralHacks – 1st Place, Payments Track:** CryptoKart stablecoin invoice-discounting platform .
- 2021 Polygon BUIDL IT – Pool Prize Winner:** GrantéStudio in a 186-project hackathon .

Education

MCT's Rajiv Gandhi Institute of Technology

2017 – 2019

Bachelor of Engineering in Computer Science; CGPA: 9.54/10

Maharashtra, India

Technical Skills

AI & Automation: OpenAI API, LangChain, LangGraph, RAG, pgvector, n8n, AI agents/workflows, Claude Code, Codex

Enterprise & Commerce: CRM (GoHighLevel, HubSpot), ERP, CMS, SCM / supply chain management, Shopify, ecommerce, accounting/FP&A, dashboards

Engineering: Python, JavaScript/TypeScript, React, Node.js, Java/Spring, PHP, PostgreSQL, MongoDB, AWS, REST APIs, CI/CD, WebRTC

Spatial & Web3: NVIDIA Omniverse, OpenUSD, Omniverse Kit/Python extensions, Unreal Engine, pixel streaming, CloudXR, multiplayer, Solidity, Polygon