JEFFREY MARTIN

AI Solutions Architect | Full Stack Developer | Technical Project Lead

Dubai, UAE | +971 50 286 8620 | martin.jeffrey44@gmail.com | linkedin.com/in/jeffrey-martin-dubai

SUMMARY

Technology professional with 8+ years building scalable software, infrastructure, and AI-driven solutions. Currently focused on shipping LLM-powered applications using Claude, GPT, MCP, and modern agentic tooling — including custom MCP servers, computer-vision pipelines, and bespoke SaaS platforms. Open to remote roles across AI engineering, full-stack development, and technical solutions architecture.

TECHNICAL SKILLS

AI & LLMs: Anthropic Claude API, OpenAI GPT, Model Context Protocol (MCP), Custom MCP Servers, Prompt Engineering, RAG, Agentic Workflows, Claude Code, Cursor, n8n

Engineering: Python, JavaScript, React.js, Node.js, REST APIs, SaaS Architecture, NVIDIA DeepStream, TensorFlow, Computer Vision

Infrastructure & Cloud: AWS (in progress), Hybrid Cloud, SD-WAN, VPN, Network Segmentation, Server Infrastructure, Terraform (lab), CI/CD

Delivery: Agile / Scrum / Kanban, Jira, Trello, Stakeholder Management, Cross-Functional Team Leadership

SELECTED AI PROJECTS

- **Lutron HomeWorks Visualizer** *(Claude API, custom MCP, Python)* — Production tool with custom MCP server that turns plain-text cable mapping into a one-to-one visual topology against Lutron Designer; published on GitHub.
- **Hurst First PM SaaS** *(Claude, custom MCP, Tradify integration)* — Bespoke AI-native project management platform with a custom MCP linking Tradify scheduling data into a unified high-level project view, used daily by a non-technical team.
- **NVIDIA DeepStream Audience Detection** *(DeepStream, TensorFlow, LLM classification)* — Real-time video pipeline with LLM object classification; in live commercial pilot with a Dubai ad agency measuring billboard viewership for OOH advertising buyers.
- **ExoHabit** *(ChatGPT, Codex, NASA Open API)* — LLM-driven educational application that ingests NASA's exoplanetary database and ranks planetary bodies by habitability; used as a demo for AI-accelerated learning in unfamiliar domains.

PROFESSIONAL EXPERIENCE

Lead Network & Infrastructure Architect / Principal Partner — Oct 2023 – Present

Hurst First — Home Automation & Technology Solutions — *Dubai, UAE*

- Architected and deployed network and smart-systems infrastructure across 600+ residential and commercial properties (WLAN, VLAN segmentation, integrated security, Control4/Lutron IP control planes).
- Led end-to-end project execution across high-net-worth residential and commercial engagements, including network security incident response and post-deployment audits.
- Introduced AI-driven internal tooling (custom SaaS + MCP integrations) to streamline operations for a non-technical team.

Independent Technology Consultant — Sep 2022 – Oct 2023

Freelance — Software, Web & Smart Systems — *Dubai, UAE*

- Delivered freelance full-stack web, API integration, and smart-home engagements for residential and SME clients; self-directed deep dive into AI/LLM application design.

Head Educator & Co-Founder, Abiliti Program — Oct 2020 – Sep 2022

Cordoba Institute — Education & EdTech — *Dubai, UAE*

- Co-founded and led the Abiliti EdTech program (ages 6–16), scaling to 1,000+ active users with 90% adoption within six months; owned full product development lifecycle.
- Delivered IGCSE/AS/A-Level CS tutoring with 85% performance improvement rate; tailored learning programs contributed to 90% college acceptance.

EARLIER EXPERIENCE

Full Stack Developer, LA Digital — Web Development Agency, Dubai (Sep 2019 – Sep 2020). LMS integration across 10+ schools; automation reduced manual tasks by 20%.

Co-Founder & Full Stack Developer, Gylow — E-Sports Community Platform, Dubai (2019). Real-time stat-tracking platform that grew to 15,000+ users; hosted 3 UAE-wide tournaments.

IT Project Manager, The One Group — Financial Social Platform, Dubai (2017 – 2019). Reduced project turnaround by 20%+ via Agile governance; led zero-downtime migrations.

Technical Support Engineer, BoGolf Pvt. Ltd. — Golf Simulator Company, Bangalore (2015 – 2017). VBScript automation cut response times by 50%; Unity 4→5 migration (100+ assets).

EDUCATION & CERTIFICATIONS

B.Sc (Hons) Computer Science, SAE Institute of Technology · **Full Stack Development Certification**, FreeCodeCamp · **BFA Graphic Design**, Regents American University

In progress: AWS Solutions Architect Associate · HashiCorp Terraform Associate · Cisco CCNA · Cisco CCNP Enterprise