

USMAN KAISER MOGHAL

Chief Technology Officer

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8+ years building software | **Promoted 3 times** in 4 years | **5** team leads, 20+ engineers | **165+** clients on products I've led

SUMMARY

CTO at IOTA Solutions and co-founder of Arlo: I own products from the code to the customer, and I build AI products of my own.

Open to a senior technology role, or a new venture worth building. Based in Islamabad; open to remote, part-time and contract work, and to relocating for the right offer.

AREAS OF EXPERTISE

- **AI:** I lead Trace9 AI at IOTA, founded Voxera and AI Continuum, architected an AI-assisted SOC console now in production, and train teams on prompting, RAG and agentic AI.
- **Team building and growth:** senior engineer to CTO in under four years at the same company; five team leads and 20+ engineers report to me. I hire, mentor and set the engineering standards.
- **Product ownership:** IOTA's three product lines, all in production, and the editions and licensing model I architected for them; Arlo for Teams; my own products.
- **Working with customers:** I run IOTA's pre-sales and sales and work directly with C-level and senior leaders at telecom operators, government bodies and large enterprises.

EXPERIENCE

IOTA Solutions – *enterprise IT monitoring and cybersecurity software* – Islamabad, Pakistan

Jun 2022 – Present (4+ yrs)

Chief Technology Officer – reports to the CEO

Feb 2026 – Present

- Own the three product lines end to end, Trace9®, Amygdala XDR® and Thalamus, all in production. Every engineering decision is mine to answer for; my five team leads run their areas day to day.
- Run pre-sales and sales since February 2026: customer engagements, demos, upsell and cross-sell, on site with customers. Oversee and work with sales, finance, HR and admin. I still develop and review code.
- Architected and built IOTA's product editions and licensing model. Lead Trace9 AI, which learns baselines, forecasts availability and capacity and flags anomalies.
- Products I've built and led serve 165+ clients, and Trace9® and Amygdala XDR® deployments monitor 100,000+ assets. IOTA's products typically run at 99.99% in production.

Deputy Chief Technology Officer

Jan 2025 – Jan 2026

- Led all of engineering, 20+ engineers across three product lines; designed how AI fits into each and led company-wide AI training.

Development Manager – a team of 5 to 7 engineers

Jun 2023 – Jan 2025

- Delivered a major Trace9 release to five enterprise clients; set the code-review standards, CI/CD and onboarding the teams still use.

Senior Software Engineer

Jun 2022 – Aug 2023 (handover Jun – Aug 2023)

- Led R&D for national-scale telecom and transport-network monitoring; helped build Amygdala XDR®.

Organisations I've worked with (IOTA's customers): PTCL-Etisalat, Telenor Pakistan, Jazz, BISP, ONPL (FWO) and Sky47, among others.

Arlo – *an AI chief of staff, arlo.fyi* – Remote

Feb 2026 – Present

Co-Founder, Enterprise

- Run the enterprise side of a paid, launched product: Arlo for Teams for regulated organisations and as an add-on for enterprise platforms; product direction, partnerships, Gulf go-to-market and compliance.

Creative Log – *US SaaS company* – Remote

Sep 2021 – May 2024

Chief Technology Officer, earlier Program Consultant

May 2023 – May 2024

- Set the technical roadmap and architecture, and guided the lead developers.

OWN PRODUCTS AND OPEN SOURCE

- **Voxera** (founder, in pilot): voice agents that take and make calls in 60 languages, built to reply in under a second.
- **AI Continuum** (founder, in beta): a sourced knowledge graph of AI engineering that agents query over MCP, at aicontinuum.space.

- **Conduit** (core contributor): open-source desktop app that runs coding agents side by side.

FREELANCE AND CONTRACT

- **Forward Deployed Engineer, Noodle Seed**, San Francisco startup, contract (Jun – Sep 2025): Spinatomy voice AI (I built the coordinator portal), a Fineman West AI accounts-receivable assistant and FlexiClean scheduling, in production. **Stack:** Next.js, FastAPI, Supabase, Cloud Run, Vapi, ElevenLabs, Twilio.
- Freelance since late 2023: an AI-assisted SOC console for a security company (client under NDA); I architected it, built its AI triage and reviewed the code, and it is in production. **Stack:** Flask, React, PostgreSQL, Keycloak, Wazuh / Suricata, AWS WAF, OpenAI / Ollama.
- Nutrition app for Balantia, in production. **Stack:** React Native (Expo), NestJS, Prisma, PostgreSQL.
- Dashboards and data pipelines for clients in fitness, smart buildings, hosting, networking, VR health-tech and e-commerce, from the scope of work to the software. **Stack:** Grafana, Loki, InfluxDB, Zabbix, Elasticsearch, Python ETL.

TALKS AND TEACHING

- Design and run IOTA's AI training on prompt engineering, RAG and agentic AI, for groups of 30 to 60. Panelist at AI Lens 2026, Cowork24, Islamabad.
- Instructor at FAST NUCES (3 years) and iQualify UK (2 years).

EDUCATION AND RESEARCH

MS Computer Science (AI / ML / NLP), FAST NUCES – Summa cum laude, 3.90 / 4.00 2022

BS Computer Science (AI / ML), Air University – Summa cum laude, 3.92 / 4.00, gold medal 2017

Research: MS thesis on human-in-the-loop neuroevolution (2022); co-authored IEEE paper, "SABAQ: Semantic E-Learning and Experience Tracking" (2017).

Languages: English, Urdu, Punjabi, Arabic (elementary)