

ALIREZA MOTAMED

Founder & CTO - DPIX Reality
Full-Stack Engineering · Systems Architecture ·
Product Engineering

I engineer non-standard product ideas into reliable software systems - spanning backend and realtime infrastructure, networking tools, cross-platform applications and AR.

Architecture · JavaScript · Node.js · C++ · React · Vue · SQL · Networking ·
Cross-platform · AR



400+

Concurrent production users handled on a private Xray-core VPN platform

2,000+

Concurrent visitors handled by e-commerce application infrastructure

5

Platform ecosystems across Web, Android, iOS, Windows and macOS

DPIX Reality

Founder & CTO since 2021

Engineering thesis

Modular · performant · product-led

Product Engineering

Full-stack applications, APIs, databases and implementation architecture.

Systems & Networking

VPN/proxy products, utilities, drivers and connectivity-aware software.

Cross-platform & AR

Web, mobile, desktop and realtime interactive systems.

Non-standard ideas. Production systems.

Alireza Motamed is the Founder & CTO of DPIX Reality and a full-stack engineer focused on systems architecture, product engineering and cross-platform implementation. His work centers on translating non-standard product requirements into dependable technical systems rather than fitting them to a predetermined stack or pattern.

His technical path began in robotics, electronics and controllers and expanded into backend/frontend software, APIs, networking, databases, AR and platform utilities. He works across product and creative teams, selecting architecture around real constraints such as performance, maintainability, deployment and connectivity.

ENGINEERING THESIS

Patterns are tools, not rules.

Architecture should reduce risk and improve performance, maintainability and product capability. Complexity is introduced only when it earns its place.

Constraint → Architecture →
Implementation
→ Measurement → Refinement

SELECTED ENGINEERING SCALE

400+

Concurrent production users
on an Xray-core VPN
platform

2K+

Concurrent visitors handled
by e-commerce
infrastructure

5

Platform ecosystems
delivered across Web,
mobile and desktop

9

Hybrid DPIX team supported
through technical leadership
and integration

LEADERSHIP & EXPERIENCE

2021 - NOW

Founder & CTO - DPIX Reality

Creative Technology & Product Engineering

Lead technical architecture and implementation across web applications, internal tools, networking systems, interactive products and cross-platform software.

- Own backend/frontend integration, API design, database decisions, deployment logic, performance and technical delivery.
- Translate non-standard product requirements into maintainable systems across AR, realtime interaction, networking utilities and proprietary internal tooling.
- Prefer modular architecture when it fits the product; avoid distributed complexity when a simpler system delivers better reliability.

2014 - 2021

Shared Commercial Practice & Technical Specialization

Systems · Software · Integration

Entered the professional market alongside Ahmadreza Motamed and progressively specialized in controllers, programming, system logic and software implementation as shared work expanded from creative production into digital products and technology.

Systems built around real constraints.

DPIX R&D · WEB AR

Spatial commerce engine

Technical development for a web-based AR platform designed around practical commerce workflows rather than single-object demonstrations.

Engineering scope: floor/wall/ceiling tracking, realtime object placement and transforms, multi-object scenes, depth/occlusion logic, environment-aware lighting and asset optimization.

Designed to extend beyond web into dedicated applications and interactive showroom experiences.

NETWORKING · PRODUCTION

Xray-based VPN platform

Built and operated a private VPN system around Xray core, integrating account logic, routing and platform-side control rather than relying on an off-the-shelf user experience.

Handled 400+ concurrent users in production.

INFRASTRUCTURE · E-COMMERCE

High-concurrency web delivery

Designed and tuned web application infrastructure and application logic for commercial traffic bursts, balancing database access, server behavior and frontend delivery.

Handled 2,000+ concurrent visitors on an e-commerce platform.

COMMUNICATIONS · RESTRICTED NETWORKS

Resilient messaging platform

Developed a complete messaging system designed to remain usable under constrained domestic internet conditions in Iran, including messaging workflows and large-file transfer support.

Product engineering shaped around network reality rather than ideal connectivity assumptions.

SYSTEMS UTILITY · WINDOWS

Mobile microphone + custom driver

Built a system that turns a mobile phone into a Windows microphone, including the application layer and a dedicated driver for the desktop-side audio workflow.

Cross-device integration spanning mobile, desktop and lower-level system behavior.

CROSS-PLATFORM TOOLS

Monitoring, browser & stability utilities

Built proprietary tools including multiscreen/monitoring software, a proxy-based browser, system cleaner and stability-control utilities across Windows, macOS and Android.

AUTOMATION · INTERNAL PRODUCTS

Agents, scrapers & operational software

Delivered a React-based SEO image-generation agent interface, product extraction scraper, financial-management software with bank-SMS integration, network signal-direction tooling and media analysis/filtering utilities.

ENGINEERING PRINCIPLE

Complexity must earn its place.

Systems are kept modular and explicit. New infrastructure, abstractions or distributed patterns are introduced only when they improve measurable reliability, performance, maintainability or product capability.

Full-stack by scope. Systems-minded by default.

CORE ENGINEERING DOMAINS

Application Architecture

Modular system design, backend/frontend boundaries, API contracts, state flows, maintainability and deployment-aware application decisions.

Backend & APIs

Node.js services, data access, APIs, integrations, application logic, authentication-oriented workflows and server-side performance.

Frontend Systems

React, Vue and JavaScript application development for dashboards, product interfaces, internal tools and complex web applications.

Networking & Utilities

VPN/proxy systems, Xray-core integration, scanners, custom browser tooling, connectivity utilities and network-aware products.

Cross-platform Engineering

Production work spanning Web, Android, iOS, Windows and macOS, including desktop utilities and device-to-device integration.

AR & Realtime

Web AR, realtime object workflows, optimized 3D delivery and interactive product systems.

TECHNOLOGY STACK

Languages	JavaScript · C++ · SQL
Backend	Node.js · APIs · integrations · server-side application logic
Frontend	React · Vue · component-based application architecture
Databases	PostgreSQL · MySQL · Microsoft SQL Server
Platforms	Web · Android · iOS · Windows · macOS

SELECTED PRODUCT ENGINEERING

Internal R&D	IP scanner, planning tools, multiscreen utilities, proxy browser, network direction finder, cleaner/stability tools and automation agents.
Architecture	Primarily modular systems selected around product scale and maintainability rather than buzzword-driven microservices.
System delivery	Web, mobile and desktop implementations including realtime interaction, desktop utilities, networking tools and cross-device workflows.

ENGINEERING FOUNDATION

~AGE 9-10

Robotics & electronics

Controllers, programming and technical logic for firefighting, maze-solving and combat-robot projects.

EARLY COMPETITIONS

Control systems

Worked on sensor logic, remote/automatic control and electronics across early robotics projects.

2014+

Professional practice

Commercial work expanded into digital products, software and increasingly complex technical implementation.

2021+

Founder & CTO

Technical ownership of DPIIX Reality across product engineering, internal tools, network systems and R&D.

"I do not force an idea into an existing pattern. I choose the architecture that lets the product work well, stay maintainable and perform under real conditions."

PROFESSIONAL OBJECTIVE

Open to CTO, technical leadership, systems engineering and product-engineering collaborations where non-standard requirements, cross-platform constraints or performance-sensitive products need more than standard application development.

Alireza Motamed

Founder & CTO - DPIIX Reality

Website

dpixreality.com

Primary focus

Full-Stack · Systems · Product Engineering