

Aleksei Volkov

Forward Deployed Engineer · AI Solutions Architect | 12+ Years | Claude Certified Architect – Professional

+381 62 1250 017 · volkov.dev@icloud.com · [LinkedIn](#) · [GitHub](#) · CET (UTC+1)

SUMMARY

Forward Deployed Engineer and AI Solutions Architect with 12+ years in the JavaScript ecosystem, the last 4 embedded in client teams — a **\$6.4B multi-manager hedge fund** and a **global fashion retailer's logistics platform**. I take a stakeholder's problem through discovery, architecture, and production, then leave behind the standards and tooling that keep it running.

At the hedge fund I cut portfolio-manager reporting **from weeks to minutes**, made AI-generated code meet house standards for **15 engineers across 20+ repositories**, and brought **MCP tools** into live trading workflows. Knowing how the web and the JavaScript ecosystem work is what makes AI land in production rather than in a demo.

SKILLS

AI / Agentic Systems: Claude Code, Claude Agent SDK, Anthropic API, MCP Servers, Agent Skills & Hooks, Context Engineering, Prompt Engineering, LLM Evals, Evaluation & Optimization, AI Governance, AI Risk Management, Agentic Workflows, OpenAI API, ChatGPT, Codex, GitHub Copilot (Marketplace Plugins), Cursor, Amazon Quick (Quick Suite), AI Code Review. **Languages & UI:** JavaScript, TypeScript, React, Next.js, HTML5, CSS3, Figma, WCAG. **Backend & Data:** Node.js, Express, NestJS, RESTful APIs, WebSockets, GraphQL, SQL, MySQL, PostgreSQL, TypeORM, API Integration. **Architecture & Delivery:** Solution Design, Solution Architecture, Enterprise Architecture, Integration Architecture, Technical Discovery, System Design, OOP, Design Patterns, Dependency Injection, Event-Driven Architecture, Finite-State Machines, BFF, Microfrontends, Module Federation, Monorepos, Design Systems, Engineering Standards, Technical Documentation. **Cloud & DevOps:** AWS, EC2, ALB / Load Balancing, CloudWatch, Docker / Containerization, Azure DevOps, CI/CD Pipelines, Build & Deployment Automation, Git / Version Control, Bash / Shell, Nginx. **Quality & Operations:** Playwright, Cucumber / BDD, Jest, Vitest, RTL, Cypress, Unit / Integration / E2E Testing, JUnit, Observability, Centralized Logging, Operational Runbooks. **Real-Time UI, Security & Desktop:** D3.js, Highcharts, AG Grid, React Query, Jotai, Redux Toolkit, MobX, Authentication, Authorization, OAuth2, JWT, RBAC, Okta SSO, Electron, OpenFin, Glue42. **Client Delivery:** Requirements Gathering, Stakeholder Management & Communication, Workshops & Enablement, Mentorship, Code Reviews.

WORK EXPERIENCE

DXC Technology — Forward Deployed Engineer

Sep 2022 – Present (4 yr)

Client: Global Multi-Manager Hedge Fund Platform — \$6.4B total assets · 55+ PM teams

- **Made AI-generated code meet house standards for 15 engineers across 20+ repositories**, catching violations manual review missed: **~1,000 PRs** mined into review rules, **16 internal packages** catalogued for reuse, plan → implement agents with lint-on-edit checks (Claude Code, GitHub Copilot) — now the org's AI-Powered Development standard.
- **Brought AI into live trading workflows:** MCP tools in production use and an OpenAI-API MVP inside the orders blotter.
- **Cut TCA reporting from weeks to minutes for 30–40 portfolio managers:** architected **~18 parallel data flows** over WebSockets with progress tracking, selective retries, and automated PDF generation, shaped through direct stakeholder feedback rounds.
- **Turned the client's stalled QA automation into the approved working model** for a **300+ case regression suite** that cost **4–6 testers a full week per release**: assigned by client management, rejected an MCP-to-Playwright approach that wouldn't yield coverage, shipped a test authoring kit and **2 Azure DevOps pipelines** with native JUnit reporting.
- **Enabled secure mobile trading for portfolio managers** with Okta SSO token exchange across Electron and web plus server-side restriction checks; kept the desktop platform stable with finite-state-machine daily restarts; built full-stack operations tools (React, Node.js, SQL, AWS).

Technologies: React, TypeScript, Node.js, SQL, WebSockets, Claude Code, MCP, OpenAI API, GitHub Copilot, Playwright, Docker, AWS, Azure DevOps.

Client: Global Fashion Retail Logistics — €39.9B revenue · 5,460 stores in 97 markets

- **Set the corporate standard for new logistics frontend work:** migrated **3 legacy apps** serving **5,460 stores across 97 markets** to a React/TypeScript microfrontend architecture (**Webpack Module Federation** + **Node.js/Express BFF**).
- **Raised test coverage to an 80% team baseline** with automated frontend quality gates: corporate linting and pre-commit hooks on every commit.
- **Shortened onboarding for a 10+ person team** through mentorship, recurring knowledge-sharing meetings, and documented microfrontend and component-library conventions.

Technologies: React, TypeScript, Next.js, Module Federation, Node.js, Express, BFF, Storybook, Jest, RTL, CI/CD

Artezio — Frontend Engineer

Aug 2021 – Aug 2022 (1 yr)

Client: Universal Banking Platform — 5.7M active retail clients · ~7M digital-service users

Delivered the bank's design system and core form runtime, cutting repetitive form work by **~63%** for **5 teams** serving up to **5M users** — JSON-schema-driven, **30+ controls**, shared validation across loan, card, KYC, and operator flows. *React, TypeScript, MobX, Inversify, Storybook, Cypress.*

innoscripta GmbH — Frontend Engineer — R&D funding SaaS provider · 2,100+ signed clients

Jan 2020 – Jul 2021 (1 yr 7 mo)

Lifted grant-application submissions with **Core Web Vitals**-tuned landing pages and built CRM modules for **~4,000 R&D projects**. *React, Next.js.*

BrandContrast GmbH — Full Stack Developer — Frankfurt PR and brand-communication agency

Jan 2015 – Dec 2019 (4 yr 11 mo)

Owned web delivery for **10+ German industrial clients**, incl. **Caterpillar Energy Solutions (MWM)**: accessible PHP/WordPress sites, custom CMS.

Lightspeed Commerce — PHP Developer — Cloud POS and payments · \$91.3B GTV · 144K locations

Jan 2014 – Jan 2015 (1 yr)

Cut merchant catalog onboarding from **~70 products/day to thousands of SKUs in minutes** by automating import via PHP/JS + Ecwid API.

EDUCATION

Master's Degree, Computer Software Engineering — 2018

Darmstadt University of Applied Sciences —

Bachelor's Degree, Computer Software Engineering — 2016

LANGUAGES

English C1 · Serbian B1 · German A1

CERTIFICATION

Claude Certified Architect – Professional — 2026