

DOLAT HAMZA

Frontend Developer — React & Next.js

Islamabad, Pakistan · +92 331 4332207 · dolathamza8019@gmail.com · [LinkedIn](#) · [GitHub](#) · [Portfolio](#)

PROFESSIONAL SUMMARY

Frontend Developer with 3+ years building production web apps and AI-powered agent interfaces with React 19, Next.js 15/16, and TypeScript. Specialize in agent-facing UIs and Copilot experiences using the Vercel AI SDK, CopilotKit, and the AG-UI protocol — SSE streaming, real-time dashboards, and embeddable widgets. Strong on component architecture, performance, and testing; comfortable with foundational DevSecOps (Semgrep SAST, DOMPurify, OWASP basics) in CI. Proven results: 20% faster load times, 50% higher code reliability.

EMPLOYMENT

Frontend Developer | **Mobiz Inc.**

Islamabad, Pakistan · Jul 2024 – Present

- Built **Agent UI** — a Next.js + Electron desktop interface for Mobiz AI agents, integrating **CopilotKit** and the **AG-UI** protocol for streaming agent state, generative UI, and human-in-the-loop actions across multiple platforms.
- Engineered the frontend for an **AI compliance platform** (KSA banking) — Next.js 15, real-time dashboards with drag-and-drop customization and maturity scoring visualizations across SAMA + NCA ECC frameworks.
- Built the UI for a **multi-agent AI platform** (Mobiz AI v2) — front end for 5 specialized agents (Sales, Network Ops, Presales, Governance, Service Desk) wired to Dynamics 365, ServiceNow, Slack, and Teams.
- Developed the **Mobiz Content Engine** frontend — Next.js 15 monorepo with AI-driven document generation (PDF/DOCX), Sentry monitoring, and TypeScript strict mode.
- Improved load times by **20%** (code-splitting, lazy loading, Webpack) and code reliability by **50%** (TypeScript strict, ESLint, Jest + React Testing Library).
- Supported security in CI: Semgrep SAST scans, DOMPurify sanitization, and OWASP-aware XSS/CSRF prevention in shipped components.

Design Engineer (Full-Stack) | **CARE Pvt. Ltd.**

Islamabad, Pakistan · Aug 2022 – Aug 2024

- Engineered the frontend for a **real-time fleet management system** — live GPS via WebSocket, theft detection, and lid-status monitoring; reduced theft by 25%.
- Developed full-stack **monitoring dashboards** (Next.js + Node.js) with real-time analytics and role-based access (RBAC).
- Built an Android SDK for hardware sensor data collection, deployed across 200+ devices.
- Accelerated the deployment pipeline by **40%** with GitHub Actions CI/CD and automated build/test workflows.

KEY PROJECTS

NavIQ AI Campus Platform — Frontend & Copilot SDK | **US EdTech Client**

Next.js 15, React 19, Vanilla JS, Redux Toolkit, CopilotKit, AG-UI, Webpack, GitLab CI, Docker, Semgrep, k6

- Built frontend applications for a multi-tenant AI campus platform and wrote the entire **Copilot SDK** from scratch — vanilla JS, Shadow DOM, DOMPurify, SSE streaming, AG-UI-style agent events — deployed across multiple university clients with zero CSS conflicts.
- Contributed to the DevSecOps pipeline across 30+ repos: GitLab CI/CD, Docker, Semgrep SAST, k6 load testing. 80%+ test coverage (Jest, RTL, Playwright). Supported HECVAT/HEBA + SOC 2 compliance.

BSG Nord Tax Hub — AI Tax Document Co-pilot | **German Client**

Next.js 16, Vercel AI SDK v6, Claude Sonnet, Tailwind v4, shadcn/ui, Zod v4

- Built the AI tax document co-pilot frontend with the **Vercel AI SDK** — streaming extraction of mandatory fields, SKR03 auto-classification UI, risk flagging, and DATEV CSV export over a GoBD-compliant audit trail (§147 AO).

Employee 360 Timecard | **Internal Tooling**

Next.js 14, React Query, Nivo Charts, FastMCP, FastAPI, Azure SQL, Railway

- Built the Next.js 14 UI with Nivo chart visualizations for employee time analytics over a FastMCP + FastAPI backend.

ArtPiq — AR Art Gallery

Next.js, Redux, Augmented Reality (WebAR)

- Augmented-reality web platform for placing masterwork paintings on walls via AR, with exhibition discovery and embeddable views.

TECHNICAL SKILLS

Frontend: React 19, Next.js 15/16, TypeScript, JavaScript (ES6+), Redux Toolkit, Tailwind CSS, shadcn/ui, Storybook, Recharts, Nivo, Webpack, Electron, Shadow DOM

AI & Agent UI: Vercel AI SDK, CopilotKit, AG-UI Protocol, Claude Agent SDK, Anthropic API, OpenAI API, SSE Streaming, Generative UI, Agentic RAG, MCP Servers

Backend & APIs: Node.js, Express.js, NestJS, FastAPI, REST, WebSocket, JWT/RBAC, Next.js API Routes

Testing: Jest, React Testing Library, Playwright, k6, Supertest, 80%+ Coverage

Security (Foundational): Semgrep SAST, DOMPurify, OWASP basics, XSS/CSRF Prevention

DevOps & Cloud: GitLab CI/CD, GitHub Actions, Docker, Railway, Turborepo, pnpm, Vercel, GCP, Azure (AZ-900)

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science — COMSATS University Islamabad · Graduated Jan 2022 | **Microsoft Certified: Azure Fundamentals (AZ-900)**