Nekruz Avgani

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Frontend/Product Engineer with nearly 5 years building React and TypeScript products for B2B SaaS and early-stage startups in London, from architecture to tested release. Co-built self-serve billing used by ~700 organisations (98% paid on time), helped launch Atlas (£1.5M ARR) ahead of deadline, and introduced AI coding workflows now used across the company.

PROFESSIONAL EXPERIENCE

Frontend Engineer, Kato

Apr 2025 – Present · London, UK · B2B SaaS · Series A · PropTech

Tech stack: TypeScript, React, Next.js, TanStack Query, Playwright, Ant Design, Material UI

- Co-built self-serve renewals and billing for **~700 organisations**, covering seat selection, confirmation and card payments. Following the move to opt-in renewals, **98% paid on time** and **manual invoice chasing fell to ~1%**.
- Introduced Claude Code, sub-agents and MCP workflows; adopted by **all 25 engineers**, then rolled out to **all ~70 staff**, including non-engineering teams. An internal survey estimated ~2 hours saved per engineer per day.
- Developed the publishing flow for Atlas, a new market-intelligence product, letting agencies submit their transaction data with validation before it goes live; helped launch Atlas ahead of deadline, now at ~**£1.5M ARR** across 60 commercial real estate organisations.
- Built Leaderboards as **sole frontend engineer**: a new feature ranking agencies across markets, available to every customer, with TanStack Query for caching and URL-based modal state so any market can be shared by link.
- Shipped LinkedIn sharing so agencies can post their rankings as marketing: OAuth account connection, a reconnect flow for expired tokens, and a post composer that generates a branded image from the agency's rank.
- Migrated one of the platform's highest-traffic pages from AngularJS to React, preserving functionality and adding **198 Playwright end-to-end tests** to verify feature parity and catch regressions.
- **Recognition**: Modern Developer and Kato Growth Mindset awards.

Founder & Product Engineer (Non-profit), LearnX3

Mar 2024 – Present · London, UK · Non-profit EdTech · Part-time

Tech stack: React, React Native, TypeScript, Next.js, Supabase, WebRTC, Stripe, Mixpanel, Tailwind CSS, GitHub Actions, CI/CD, Sentry

- Sole engineer on Fina, LearnX3's AI language-learning product: designed and built it from scratch as a Next.js web app and a React Native iOS app on a shared Supabase backend, owning the database schema, API design, auth, real-time voice, payments, CI/CD and monitoring.
- **Raised Lighthouse performance from 39 to 95+** by cutting startup JavaScript (530 KB to 250 KB) through lazy-loading analytics, auth and payment code, and by moving server functions to the same region as the database. Achieved a Lighthouse accessibility score of 100, with screen reader labels and WCAG AA colour contrast.
- Designed WebRTC and Web Speech/SSE voice pipelines with user-controlled turn-taking, fallbacks for unsupported browsers, and AI avatar video synced to idle, listening and talking states.
- Built a test suite of **600+ Jest unit and integration tests** and 57 Playwright end-to-end tests (desktop and mobile), using mocked AI services and an auth stub; a **GitHub Actions CI/CD pipeline** runs the suite on every pull request with a **90% coverage threshold**, and **Sentry** monitors production errors.
- Founded LearnX3 to widen access to English learning; partnered with Qalam, Peshraft and Kashmir Education Initiative to support **100+ students** in Tajikistan and India. Featured by your.tj.

Frontend & Full Stack Engineer (Contract)

Mar 2023 – Apr 2025 · London, UK / Remote · Contract roles for 3 clients

Tech stack: TypeScript, React, Next.js, TanStack Query, Zustand, Firebase, Azure Functions, MongoDB, Jest, React Testing Library

- **ScanSan Properties** (PropTech, Jan–Apr 2025): Sole frontend engineer for a Next.js property-analysis assistant connected to **29M+ property records** and **3.8M active listings**; built its component architecture, REST integrations and Jest/React Testing Library coverage.
- **Peshraft** (Charity, May–Dec 2024): Built a bilingual English/Russian mentor–student matching platform and eight programme pages using Next.js and Firebase for a charity serving 15,000+ people in Tajikistan.
- **Hybrid Healthy** (B2B SaaS, Mar 2023–Mar 2024): Delivered React analytics dashboard and Azure Functions/MongoDB APIs for **1,200+ users** across **100+ teams**. Improved performance with memoisation and code splitting; mentored a junior engineer.

Frontend Developer, Education AI

Jan 2022 – Feb 2023 · London, UK · EdTech

Tech stack: JavaScript, React, Zustand, Playwright, Azure, Material UI

- Built curriculum, onboarding and progress-visualisation tools for teachers, with cross-browser Playwright tests.

TECHNICAL SKILLS

Frontend: React, TypeScript, JavaScript, Next.js, HTML, CSS, AngularJS migration

UI & state: Tailwind CSS, Material UI, Ant Design, Chakra UI, TanStack Query, Zustand

Testing & delivery: Playwright, Jest, React Testing Library, GitHub Actions, CI/CD, Sentry

Accessibility & performance: WCAG AA, keyboard navigation, screen readers, Lighthouse, code splitting, lazy loading

Browser & APIs: WebRTC, Web Speech API, Server-Sent Events, REST APIs

Services & analytics: Supabase, Firebase, Stripe, Azure Functions, MongoDB, Mixpanel

AI tools: Claude Code, Codex, MCP servers, AI agents

EDUCATION

BSc Management, University of Manchester · 2:1

Sep 2016 – Jul 2019 · Manchester, UK

Languages: English, Farsi, Russian