MOHAMMAD BABAZADEH

CHIEF TECHNOLOGY OFFICER

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PROFILE

I'm a full stack engineer turned CTO, with over 14 years behind me, most of it at early-stage and growth startups where what I built had to hold up under real production load, not just look good in a demo. These days I lead engineering on an AI-enabled construction platform, and I've owned it from the data model up to the interface. A lot of my recent work has been making AI genuinely useful inside the product: wiring up language models and automation so it can take messy project data and give people decisions they can actually trust. I work mainly in **TypeScript**, **Python**, **React**, **Next.js**, and **Laravel**, and I'm at home across cloud, DevOps, and performance work. I like owning the architecture and setting how a team builds, while keeping the engineering pointed at what the business actually needs.

SKILLS

Programming & Core Tech	TypeScript, JavaScript, Python, PHP, HTML, SCSS
AI & ML Engineering	Multi-model LLM integration, RAG & embeddings, AI-driven analytics, workflow automation, Azure Cognitive Services (Speech, Face)
Full Stack & Frameworks	Next.js, React, SvelteKit, Svelte, Preact, Node.js, Laravel, FastAPI, Gatsby
State & Data Layer	Redux, Zustand, React Context, React Query, SWR, SQLAlchemy, Pydantic, PostgreSQL, Redis
APIs & Integration	REST, GraphQL, NATS (event streaming), Axios, Stripe, third-party API integration
UI Engineering	Tailwind CSS, Flowbite, Material UI, Styled Components, Chart.js, Bootstrap
Testing & QA	Jest, Testing Library, Cypress, Vitest
Cloud & DevOps	AWS, Azure, Laravel Vapor, Google Cloud Platform, Firebase, Docker, CI/CD (GitHub Actions, GitLab CI, Jenkins)
Security & Auth	WebAuthn / passkeys, JWT / OAuth, rate limiting, bcrypt
Monitoring & Performance	Sentry, OpenTelemetry, observability, debugging, system optimization
Embedded & IoT	ESP32, nRF52840, STM, BLE, NFC / RFID, GSM telemetry, OTA firmware updates
Tools & Collaboration	Git, Vite, Postman, Swagger, Yarn, PNPM, Figma, Jira, Notion, Slack, Kanban

PROFESSIONAL EXPERIENCE

NEUROJECT

CTO

Denmark (Remote)

Jun 2024 – Present

- Joined as Chief Full Stack Engineer and became **CTO** in Sep 2026. Lead the architecture and build of **NeuroBuild**, an AI platform that turns scattered construction project data into predictions and automated workflows.
- Built the AI side of the product, wiring AI services into the core workflows so people get answers faster and with fewer manual steps along the way.
- Run the full stack on **Next.js** and **Laravel**, hosted on **AWS Amplify** and **Laravel Vapor**, and keep it fast and reliable as usage grows.
- Set the team's engineering standards, run code reviews, and mentor the other developers so the codebase stays clean and easy to work in.
- Work closely with the rest of the business to turn what they need into something we can actually ship.
- Keep an eye on performance, reliability, and the deploy pipeline so the platform holds up under real load.

0&1 LTD

Canterbury, UK (Remote)

LEAD FRONTEND DEVELOPER

Feb 2021 – Jun 2024

- Led the frontend on an integrated **LMS and exam-monitoring platform**, which meant wrangling some genuinely messy user flows and a lot of real-time interaction.
- Added face-based identity checks during live exams using **Microsoft Azure Face API**, which tightened up security and helped on the compliance side.
- Built a virtual classroom that got noticeably more students taking part, and made the content easier to manage.
- Moved our CI/CD from Jenkins to GitHub Actions, which made builds and tests far quicker and let us stop running our own build servers altogether.
- Wrote a tiny **17 KB Preact app** so we could run it on hardware that had almost nothing to spare.
- Wrote the firmware for **Attendum**'s ESP32 card readers and nRF52840 BLE beacons, now live at UK and US universities.
- Set up **Sentry** so we could see errors as they happened, which cut down support tickets and got us fixing things faster.
- Mentored the other developers and got some sensible engineering habits in place, which made the team quicker and the code better.

ALGET

Amsterdam, Netherlands (Remote)

SENIOR FRONTEND DEVELOPER

Aug 2020 – Feb 2021

- Built the full MVP for an e-commerce platform and its admin dashboard in **React**, and got it shipped.
- Added multi-language support with i18next so the product could go into markets outside its home country.
- Reworked the deployment setup on **GitLab CI/CD and Firebase**, which more than halved our hosting costs.
- Cleaned up performance and state management with **Redux and Redux-Saga**, cutting out redundant API calls and making pages load faster.

NIKNAM ELECTRONIC RAYAN (NAR)

Tabriz, Iran

SENIOR SOFTWARE ENGINEER

Apr 2017 – Aug 2020

- Built a weather-monitoring dashboard in **React** with live data visualizations that loaded noticeably faster than the system it replaced.
- Connected our systems to national infrastructure over REST APIs for real-time data, which cut communication costs to a fraction of what they'd been.
- Shipped a mix of products along the way, including a restaurant-ordering system and GPS-tracking platforms, that made day-to-day operations smoother and kept users engaged.
- Modernized a lot of older systems, making them faster, more accurate, and much easier to get people to use.

NIKNAM ELECTRONIC RAYAN (NAR)

Tabriz, Iran

SOFTWARE ENGINEER

Oct 2012 – Apr 2017

- Built and maintained responsive web apps with HTML, CSS, and JavaScript.
- Customized WordPress and Joomla sites and kept improving them over time.
- Did the testing, debugging, and performance work across a range of projects.

EDUCATION

MASTER OF SCIENCE, NANOELECTRONICS ENGINEERING

University of Tabriz, Iran

2014-2016

BACHELOR OF SCIENCE, ELECTRICAL ENGINEERING

University of Tabriz, Iran

2008-2012