Valentin Boyko

SENIOR FULL STACK ENGINEER · TYPESCRIPT · REACT · NEXT.JS · NODE.JS

hello@tinboyko.com | tinboyko.com | linkedin.com/in/tinboyko | Tashkent, Uzbekistan · Remote, available across CET business hours | English fluent, Russian native

PROFESSIONAL SUMMARY

Senior full stack engineer with 15+ years building and scaling production web applications, the recent ones on TypeScript, React and Next.js with Node.js services behind them. Takes ownership of existing codebases and makes them faster and easier to maintain: led a seven-month migration of a live platform for 3,000+ schools to Next.js, where page loads went from seconds to milliseconds, and as CTO rewrote an agency-built product in-house with a team of three. Builds and runs his own SaaS product, Krafty, on Next.js with a speech-to-text and GPT pipeline. Comfortable weighing delivery speed against long-term quality with product and business stakeholders. Claude Code is part of the everyday workflow. Fluent English; async-first remote work with European, UK, US and Australian teams.

TECHNICAL SKILLS

TypeScript & Frontend: TypeScript, JavaScript (ES6+), React (7+ years), Next.js (App Router), React Router, Vite, Vue.js, Angular, Tailwind CSS, SCSS Modules, component libraries, PWA, WCAG accessibility

Node.js & Backend: Node.js, Express.js, REST and GraphQL API design, microservice integrations, PHP 8+, Symfony, Laravel, Eloquent ORM, Composer, PSR-4

Data & Auth: PostgreSQL, MySQL, Supabase (row-level security), Auth0 / SSO, RBAC, web security

AI in the product: OpenAI / GPT API integration, speech-to-text pipelines (ElevenLabs Scribe, Whisper), Telegram Bot API and Mini Apps, AI-assisted engineering with Claude Code

WordPress: WordPress Core, headless WordPress, custom plugins and themes, ACF Pro, Gutenberg and custom blocks, WooCommerce, WP REST API, WPGraphQL, Gravity Flow, WP Engine

Cloud & DevOps: Vercel, AWS (EC2, Lambda), Microsoft Azure, Cloudflare, Docker, Kubernetes, CI/CD pipelines (GitLab CI, GitHub Actions), Linux administration

Tools & Practices: Git, Webpack, NPM/Yarn, Figma, Jira, Zapier, refactoring and legacy modernisation, performance optimisation, code reviews, technical leadership, Agile/Scrum

PROFESSIONAL EXPERIENCE

Senior Full-stack Developer

EOS Learn — Apprenticeship Training Platform (UK) | Oct 2025 – Present

- Designed and built from scratch a qualification progress tracking system (Gap Analysis) in PHP, mapping learner evidence to KSB criteria, with an analytics dashboard for tutors across 20+ training centres.
- Developed REST and GraphQL APIs for external integrations and the MIS (ILR) system, automating learner account provisioning and data synchronisation.
- Implemented granular role-based access control (RBAC) across administrative, tutor and commercial tiers, and optimised performance of high-traffic learner-facing pages.
- Configured and maintained automated CI/CD pipelines across development, staging and production, deploying to AWS EC2 with Kubernetes-based orchestration and Docker images.

Full Stack Engineer

Good To Great Schools Australia | Feb 2024 – Sep 2025

- Architected and executed a seven-month headless migration to Next.js and React, decoupling UI rendering from the legacy PHP/WordPress CMS while the platform stayed live for 3,000+ schools; page loads went from seconds to milliseconds.
- Led code reviews and enforced architectural standards, component reusability (50+ shared components) and clean module boundaries across the full stack.
- Integrated Auth0 and implemented Single Sign-On between the PHP backend and the Next.js frontend for a secure, seamless authentication flow.

Senior Fullstack Engineer
Backyard Design | Sep 2023 – Sep 2025

- Designed and built a standalone, high-performance Product Management System with a Next.js frontend over a customised Symfony and WordPress backend for a print-on-demand business.
- Engineered REST API integrations consolidating complex distributed order data into a centralised, structured and responsive interface.
- Developed real-time process tracking dashboards and employee activity logs for multi-stage production workflows.

Chief Technology Officer / Platform Engineer
Dynamic Documents (Stockholm) | Apr 2021 – Jul 2022

- Took the product back from an external agency (custom PHP framework + Qt front end) and rewrote it in-house on Symfony and Angular with a team of three: planned the work, set timelines, reviewed every merge and mentored the engineers, removing agency invoices from every change.
- Managed cloud infrastructure and environment segmentation in Microsoft Azure across production, staging and development, with automated multi-node deployment tooling.
- Built automated data workflows integrating Salesforce and Google Drive via REST APIs; represented engineering in technical calls with partners such as Atea and Adobe.

Senior Fullstack Developer
Toptal (freelance platform, project-based engagements) | Mar 2019 – Present

- Built complex, modular enterprise forms and full-stack workflows integrating Salesforce and Google Drive via REST APIs, enabling real-time data exchange and cloud storage automation.
- Built serverless AWS Lambda functions and modular plugin extensions for client applications with demanding performance requirements.

Senior Fullstack Web Developer
Stylemix Themes / Self-Employed | Mar 2010 – Mar 2019

- Built the complete MVP of a music streaming platform with a Laravel/WordPress backend and Vue.js frontend, delivering real-time audio streaming, user management and dynamic playlists.
- Designed and maintained themes and plugins meeting strict ThemeForest coding, performance and cross-device compatibility standards.

PROJECTS

AI renovation visualisation and cost-estimate service (unreleased)
Own product, in development | Sep 2026 – Present

- Designed the product and architecture and built it from first spec to a working test stand in under eight weeks, using Claude Code throughout development: Next.js 15, React 19, TypeScript and three.js over a FastAPI modular monolith with PostgreSQL.
- Image pipeline that renders real store materials onto room photos: SAM-3 segmentation, FLUX.2 edit and a second model reviewing the result, with structured JSON output, per-call cost accounting and an eval suite used to price each operation.
- Credit billing with reserve, charge and refund, idempotent payment webhooks, scheduled reconciliation and race-tested atomic limits; background jobs on a Redis queue; about 23,000 automated tests (pytest, Vitest, Playwright).

Krafty — krafty.pro
Own SaaS product, built and shipped solo | Live

- Built on Next.js 16, React 19 and TypeScript over Supabase (PostgreSQL) with row-level security; shipped as a PWA plus a Telegram bot and Mini App, deployed on Vercel through GitLab CI.
- Designed the AI pipeline end to end: speech-to-text feeding GPT processing; replaced Whisper with ElevenLabs Scribe after Whisper misdetected Uzbek speech as Kazakh.

Synonymer.se — Swedish dictionary platform
Legacy takeover and Laravel migration | 2019 – 2021

- Took over a legacy codebase and migrated it to Laravel without losing URL structure or search traffic on a high-traffic content site.

EDUCATION

Bachelor's Degree — Software Engineering
Tashkent University of Information Technologies (TUIT), Tashkent, Uzbekistan | 2005 – 2009