

Moshe Harush

Backend & Platform Tech Lead

Node.js | TypeScript | Kubernetes | AWS | Applied AI

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PROFILE

Building production systems professionally since 2011. Backend and platform engineering leader who stays hands-on across architecture, implementation, infrastructure, delivery, and production. Experienced in modernizing active multi-tenant systems, separating asynchronous workloads, and creating clear operating boundaries for teams and coding agents.

EXPERIENCE

Senior Tech Lead | Selectika AI | May 2024 - Present

- Own backend architecture, infrastructure, deployments, and production while leading incremental modernization of an active multi-tenant platform.
- Led the move from a memory-intensive monolith toward Kubernetes-based workload separation and database-driven tenant configuration.
- Introduced RabbitMQ-backed asynchronous processing to move long-running work out of request paths and clarify scaling and failure boundaries.

Full-Stack Developer | Canditech | Feb 2023 - Oct 2023

- Built mobile-first assessment experiences with Vue.js and backend capabilities in PHP.
- Created Node.js tooling for test execution and server-side React rendering.
- Improved CI/CD, testing, and developer workflows.

Team Lead & Senior Software Engineer | Startup Booster | May 2021 - Feb 2023

- Worked as a hands-on fractional CTO and strategic partner, translating early-stage product requirements into technical plans and production systems.
- Led a 3-developer team delivering Niio Art's NFT integration, including Next.js and Node.js platform work and legacy microfrontend integration.
- Advised founders and mentored engineers across architecture, delivery, and team growth.

Web Team Lead & Technical Lead | Yad2 | Jan 2018 - Jul 2020

- Led engineering teams responsible for Second Hand, Alerts, and Favorites, and became a cross-team reference for system behavior and platform dependencies.
- Drove incremental PHP-to-Node.js modernization, beginning with the production-critical login flow so product teams could keep shipping.
- Conducted 30+ developer interviews and created internal engineering training programs.

EXPERIENCE CONTINUED

Full-Stack Developer & Co-Founder | WebID | Mar 2012 - Nov 2017

- Co-founded and scaled a web agency while remaining hands-on across product, architecture, and delivery.
- Designed a reusable PHP CMS used to launch 50+ multilingual, SEO-focused websites.
- Automated recurring content, schema-based SEO, and lead-generation work.

SELECTED PROJECTS

MonoX | Open-source platform engineering

- Created and maintain an MIT-licensed monorepo and deployment toolkit that gives developers, CI, and coding agents the same workspace and delivery contracts.
- Shipped create-monox 0.2.0 with 24 tested JavaScript, TypeScript, Python, PHP, and Go workspace recipes, deterministic project locks, CI, local services, containers, and fail-closed validation.

UnderGrid | Production digital-health product

- Building a modular TypeScript product across PWA, API, worker, database, iOS and Android shells, infrastructure, and safety-aware AI.
- Use shared contracts and CI checks for database upgrades, browser journeys, container roles, and security boundaries before delivery.

TECHNICAL SCOPE

Backend & architecture: Node.js, TypeScript, PHP, Python, APIs, modular systems, multi-tenancy, event-driven design

Platform & operations: Kubernetes, Docker, AWS, CI/CD, observability, production diagnosis

Data & AI: PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, model runtimes, RAG, tool-connected agents

Leadership: Product engineering, technical strategy, mentoring, hiring, delivery ownership

PROFESSIONAL STUDIES & SERVICE

Professional Studies | HackerU | 2010 - 2011

Military Service | IDF, Signal Battalion 372 | 2012 - 2015

- Identified an operational gap and independently designed, built, and deployed a logistics management system while serving in a non-technical role.