

Valeriy Kuvshinov – Full Stack Engineer

Mail: valerykuvshinov@gmail.com | **Phone:** +972 52-4744-605 | **Israel** | [LinkedIn](#) | [GitHub](#)

Hebrew (Native), Russian (Native), English (Fluent)

Summary

Full Stack Developer with over 2 years of experience building distributed systems, telecom infrastructure, and scalable web applications. Experienced in Linux production environments, containerized services, WebSocket-driven real-time systems, Cron / GitHub Actions automations, and cloud storage architectures. Engineered production systems using Raspberry Pi orchestration, secure auth (JWT / RBAC), and AI-assisted CLI workflows with critical output evaluation.

Experience

Jan 2024 - Present | Full Stack Developer | Freelance / Contract Projects

- [The Vision](#) (Security / Telecom distributed Infrastructure):
 - Designed a distributed telecom platform for an IT security firm, integrating remote Raspberry Pi edge nodes, a central Spring Boot backend, and an Electron / React desktop app.
 - Architected a fault-tolerant session orchestration and state recovery system using SSH, WebSockets, and Tailscale VPN across remote Linux environments.
 - Engineered low-level C and Python services for serial modem communication, AT command parsing, and GStreamer audio / network streaming pipelines.
 - Deployed central backend services to Oracle Cloud Infrastructure (OCI) with automated CI/CD pipelines.
- [Noffty Productions](#) (Gaming platform / web infrastructure):
 - Built an HTML5 game hosting platform using S3-compatible object storage (Cloudflare R2), eliminating third-party iframe dependencies and strengthening site Content Security Policy (CSP).
 - Developed a secure Next.js and Node.js admin platform featuring JWT authentication, RBAC, and MongoDB metadata management.
 - Containerized backend services with Docker and Nginx, deploying to cloud VPS via automated GitHub Actions workflows and Cron-based scheduled maintenance tasks.
- [Micro Mineral Israel](#) (WordPress E-Commerce & Accessibility):
 - Restored transaction stability by resolving long-standing WooCommerce payment gateway bugs across multiple providers, increasing checkout conversions by 30%.
 - Enhanced platform accessibility toward WCAG 2.1 AA standards, improving screen-reader compatibility, keyboard navigation, and overall UI reliability.
 - Integrated low-code / no-code utilities and custom workflows to streamline site administration and ongoing system maintenance, while minimizing spam attacks / credit fraud incidents by 20%.

Open Source Projects

CModem-Terminal (C11) | [GitHub](#)

- Developed a lightweight, production-grade CLI tool for serial modem communication and AT command execution in distributed telecom setups.

Military Service

Sep 2020 - July 2023 | Tech Advisor & Risk Analyst | Israeli Defense Forces – Aman

- Performed volunteer service in technical intelligence and OSINT-based network analysis; awarded Unit Distinguished Service Recognition for technology risk assessment and Wireshark monitoring.

Education

2025 - Present | B.Sc. in Computer Science | Open University of Israel

2023 | Full Stack Web Bootcamp (MERN / MEAN) | Misterbit Coding Academy

Skills

TypeScript, JavaScript, HTML, CSS, Java, Python, C, Bash, Node.js, Express, Spring Boot, React, Next.js, Angular, Electron, REST APIs, NoSQL (MongoDB), SQL (MySQL, PostgreSQL, Supabase), Cloudflare, OCI, Docker, Linux, Git, GitHub Actions, CI/CD, SSH, Cron Jobs, Claude Code (AI Tools).