

Benyamin Babakhanyan

Senior Full-Stack Developer (React / Node.js) | AI-First | TypeScript, React Native, Docker, CI/CD

Yerevan, Armenia | Open to remote work and relocation

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PROFESSIONAL SUMMARY

Senior full-stack developer with 5+ years of professional software development and 3+ years delivering both the React front-end and the Node.js back-end of the same features myself, in production. Strong React (hooks, state management, performance, TypeScript) and strong Node.js (API design, async patterns, auth, testing). Works AI-first every day: uses coding agents (Claude Code, Cursor, Codex) to build React UI end-to-end, generating screens, components, forms, tables, state logic and tests from designs, specs and screenshots, then reviews, hardens and integrates the output. Sets up the AI workflow itself: project rules and context files, component conventions, design-system references, API contracts and prompt patterns so agent output fits the codebase, and catches where AI breaks on front-end work (state bugs, accessibility, performance, inconsistent styling). Also uses AI for back-end code, refactoring, debugging and code reviews, with output verified by automated tests and CI/CD. Ships, containerizes services with Docker, deploys and operates them on Kubernetes and AWS, and supports what I build, maintaining CI/CD, monitoring and logging for the services I own. Shipped Monetor, a React Native / Expo app, to the App Store: #30 in the Armenia App Store, about 100 users after launch and 10 paying users on day one.

TECHNICAL SKILLS

AI-First Development: AI coding agents (Claude Code, Cursor, Codex), AI-first React UI generation, project rules / context files (CLAUDE.md), component conventions, design-system references, prompt patterns, API contracts as agent context, custom skills, hooks, MCP integrations, AI-assisted code review, refactoring, debugging and test generation, verification of AI output

Languages: TypeScript, JavaScript, SQL, Python, Swift, C++, HTML, CSS

Backend / APIs: Node.js, Express, REST APIs, gRPC, authentication, encryption

Frontend / Mobile: React, Next.js, React Native, Expo, iOS (Swift)

Data / Storage: PostgreSQL, Supabase, relational data modeling, file sync and sharing

Delivery / Quality: AWS, Kubernetes, GitHub Actions, CI/CD, Docker, Docker Compose, Jest, Linux, PM2 health checks, debugging, profiling, performance optimization

PROFESSIONAL EXPERIENCE

Monetor - Founder & AI Product Engineer | May 2026 - Present

- Founded and launched a personal finance app for markets where open banking is limited; reached #30 in the Armenia App Store, about 100 users after launch and 10 paying users on launch day.
- Built Monetor's React Native front-end and Node.js / Express back-end features end to end, mostly AI-generated with Claude Code and Cursor, then reviewed and rewritten where agents produced state bugs, accessibility gaps, performance issues or inconsistent styling; shipped to the App Store.
- Containerized the Node.js / Express API with Docker and deployed and operate it on Kubernetes on AWS, with CI/CD via GitHub Actions, health checks, monitoring and logging.
- Built a coding-agent harness from scratch for the Monetor codebase: project context, custom skills, specialized agents, hooks, tool integrations, execution environments, feedback loops and failure recovery, connected to the real repository and CI pipeline.
- Built custom tools and MCP integrations giving agents controlled access to the Supabase / PostgreSQL backend, test suite and deployment workflow.
- Coordinate multiple agents across implementation, testing, debugging and code review; decide what to delegate and where to intervene, and verify completion with automated tests, CI checks and agent evaluations.
- Own the product architecture and data model; build the React Native / Expo client in TypeScript and the Node.js / Express API on Supabase / PostgreSQL; run CI/CD with GitHub Actions, PM2 health checks and Docker / Docker Compose.
- Shipped automatic transaction capture with Apple Shortcuts and Wallet automation, multi-wallet and multi-currency support, merchant recognition and categorization, duplicate detection, budgets, goals and recurring transaction recognition.
- Built LLM-powered features, including an AI financial coach with multiple personas and AI-assisted receipt scanning; monitor production behavior to improve transaction reliability.

ConnectWise - Senior Software Engineer | Remote, Armenia | Sep 2025 - Present

- Containerize x360Sync services with Docker and deploy and operate them on Kubernetes and AWS; maintain CI/CD, monitoring and logging for the features I own.

- Deliver end-to-end features across the x360Sync frontend, backend and PostgreSQL data workflows for secure enterprise file sync and sharing, using coding agents daily to explore the codebase, implement, test, debug and review changes.
- Try agent workflows on real team problems, measure what improves, and help teammates adopt the approaches that work.
- Built an in-house replacement for a paid third-party component, eliminating an external dependency and saving approximately \$20,000/year in licensing costs.
- Own and maintain the Axcient x360Sync iOS application in Swift as the sole developer: compatibility updates, production troubleshooting, server sync reliability and App Store releases.

BooTech - Software Engineer (Intern to Junior) | Jul 2023 - Sep 2025

- Implemented backend services and gRPC APIs used by desktop and mobile clients, including request/response contracts, service wiring and reliable client/server communication.
- Developed Qt/QML and C++ software on Linux for command-and-control products with TCP/UDP networking and real-time camera/video data; removed UI freezes by moving network work off the main thread.
- Diagnosed crashes, memory issues and performance bottlenecks with profiling, supporting production release stabilization.

ISRC - Junior Software Engineer | May 2022 - Jul 2023

- Built full-stack features in React, Node.js and Python for a production CRM/ERP on a custom ORM-based peer-to-peer data layer, including REST integrations and internal tools.
- Deployed and operated Linux services with Docker, Nginx and Apache.

Leviathan LLC - Intern Software Engineer | Yerevan | Mar 2021 - May 2022

- Implemented core functionality in the C++ to Node.js modernization of the Metax peer-to-peer platform using native Node.js APIs; worked on encryption, TCP/UDP networking and encrypted file sharing.

EDUCATION AND LANGUAGES

Bachelor of Informatics - European University of Armenia, Yerevan | 2024

Cybernetics and Systems Theory (program) - Real School Educational and Cultural Foundation | 2020 - 2024

Languages: English, Armenian, Russian