# Elyor Shodiyorov

**AI-Native Software Engineer | Frontend & Full-Stack**

React, TypeScript, Next.js, Node.js, Python · LLM Product Features · Agentic Systems & MCP

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## PROFESSIONAL SUMMARY

AI-native Software Engineer with 5+ years of experience shipping production web products: an AI-powered unified inbox, B2B retail and fiscal platforms, international e-commerce and pharmacy ERP. Builds LLM-powered features in React and TypeScript (AI summaries with source evidence, RAG search, AI-generated tasks) over real-time WebSocket APIs. Builds agentic systems for software delivery: a multi-agent coding workflow with implementer and reviewer subagents, verification gates and bounded retries, plus MCP servers and clients that connect agents to Jira, GitLab and internal tools. Open-source contributor to MobX.

## TECHNICAL SKILLS

**Agentic Systems:** multi-agent orchestration (coordinator, implementer, reviewer), MCP servers and clients, verification gates and guardrails, bounded retry loops, durable task state, Git worktree isolation, agent skills, rules and hooks, Claude Code, Codex, Cursor, Pi (open-source coding agent), spec-driven development (OpenSpec), context engineering

**AI & LLM Engineering:** LLM APIs (OpenAI, Anthropic, Google Gemini), local LLMs (Ollama, Llama 3), RAG search, AI summaries with citations, structured outputs (JSON Schema, Zod), prompt engineering, AI usage quotas

**Frontend:** React, Next.js (App Router, SSR/SSG), TypeScript, JavaScript (ES6+), Vue.js, Redux Toolkit, MobX, Effector, Zustand, TanStack Query, Tailwind CSS, shadcn/ui, Ant Design, MUI, Astro

**Backend & Real-Time:** Node.js, NestJS, Express, REST APIs, WebSockets (Socket.IO, STOMP), RabbitMQ, BullMQ, MongoDB, PostgreSQL, MySQL, Prisma, Python

**Testing & Quality:** Vitest, Testing Library, Playwright, MSW, Storybook (a11y tests), coverage thresholds, bundle-size budgets, Biome, ESLint

**DevOps & Practices:** Git, GitLab CI/CD, Docker, Docker Compose, Vite, Webpack, Cloudflare Workers, Sentry, Agile/Scrum, TDD, code review, accessibility, i18n

## PROFESSIONAL EXPERIENCE

### Noveo Group

Jan 2026 – Present

Software Engineer · Tashkent, Uzbekistan

Product: FlowHuber (flowhuber.com), an AI-powered unified inbox for WhatsApp, Telegram, Slack, Microsoft Teams, Gmail and Outlook with AI summaries, search and tasks.

- Core engineer on FlowHuber: delivered 300+ Jira tickets in 2026 (150+ features) across the React/TypeScript web client; contribute to the NestJS backend (AI summary pipeline adapters, Telegram integration).
- Built the AI product surface: Highlights (AI summaries with priority, reasoning and source evidence), RAG-powered Smart Search and AI-generated Tasks with feedback loops that tune future suggestions.
- Moved RAG search and Highlights from REST to WebSockets (Socket.IO); built WhatsApp/Telegram QR login, Gmail, Teams and Slack OAuth flows and live source statuses.
- Shipped Stripe checkout, App Store subscriptions and AI usage quotas; led the UI migration to Tailwind CSS and shadcn/ui; built React Native bridge features and the Astro landing page.
- Set up quality gates over 180 Storybook stories and 430+ test files: Vitest/MSW integration tests, a blocking a11y gate, coverage thresholds and bundle-size budgets; migrated ESLint/Prettier to Biome.
- AI-native delivery: authored AGENTS.md/CLAUDE.md guidelines and OpenSpec specs; run tickets through my multi-agent workflow with Jira, Confluence and GitLab context via MCP.

**Stack:** React, TypeScript, Redux Toolkit, Tailwind CSS, shadcn/ui, Socket.IO, Vite, Vitest, Playwright, MSW, Storybook, Astro, NestJS, RabbitMQ, PostgreSQL, Stripe, Claude Code, Codex, OpenSpec, MCP, Docker, Docker Compose

### CDTI

Apr 2023 – Dec 2025

Software Engineer · Tashkent, Uzbekistan

Product: Smartpos Trade, a B2B retail platform integrated with tax systems and online fiscal receipts.

- Developed the admin panel and merchant cabinet in React, TypeScript, Effector and Ant Design.
- Delivered modules end to end: receipt statistics, billing, requisitions, promotions and referral programs, inventory with barcode scanning and Excel export.
- Implemented real-time updates over WebSockets (STOMP), analytics dashboards (Highcharts), PDF export and i18n.

- Adopted AI-assisted development (GitHub Copilot, ChatGPT, Claude) for refactoring legacy modules, writing tests and code review.

**Stack:** React, TypeScript, Effector, Ant Design, Highcharts, WebSockets (STOMP), i18next, Java/Spring REST API, Docker, Docker Compose

### Tile.Expert
Sep 2022 – Apr 2023

Software Engineer · Milan, Italy (Remote)

Product: tile.expert, an online store of Italian and Spanish tiles (2,000+ collections) for Europe and the USA.

- Built a new version of the e-commerce platform in Next.js and TypeScript with better performance.
- Developed the jobs.tile.expert careers site in Next.js: vacancies map (Google Maps), application forms, i18n, SEO.
- Maintained the legacy React/Symfony platform during the migration, resolving production issues.

**Stack:** Next.js, React, TypeScript, Redux, Tailwind CSS, React Hook Form, i18next, PHP/Symfony, MySQL, Docker, Docker Compose

### Routeam
Aug 2021 – Sep 2022

Software Engineer · Stavropol, Russia

- Designed and developed a 3D model rendering widget in React with an admin panel for content management.
- Built ProApteka, a pharmacy ERP system in Vue.js and Vuex designed for large-scale data operations.

**Stack:** React, Vue.js, Vuex, TypeScript, JavaScript, Tailwind CSS, Node.js, C# (backend), Docker, Docker Compose

## SELECTED PROJECTS

### Multi-Agent Coding Workflow
Mar 2026 – Present

Creator · Internal tooling

Takes a Jira ticket to a verified, independently reviewed branch with Pi (an open-source coding agent); used on the FlowHuber frontend.

- Coordinator, implementer and reviewer pipeline: reads the ticket and design, prepares an isolated Git worktree, runs a fresh-context implementer subagent, finite host checks, then a read-only reviewer subagent.
- Guardrails: max two correction rounds, readiness gated on passing checks and an exact-snapshot review, 60-minute active-time budget, two concurrent tasks and a fail-closed state store; 54 unit and integration tests.

**Stack:** Node.js, Pi (open-source coding agent), subagents, Git worktrees, Jira, MCP, node:test

### Agent Tooling: MCP Servers, Clients and AI Layers
Apr 2026 – Present

Creator · github.com/elyor-sh/split-bill-mcp

- Task-portal MCP server (7 tools): tasks, attachments, messages, GitLab issues and work context for coding agents.
- MCP stdio client extension for Pi, an open-source coding agent (JSON-RPC, tool discovery, timeouts); public SplitBill MCP server and a Telegram receipt bot on Gemini structured outputs (JSON Schema, Zod).
- Cursor AI layer: rules, commands, guardrail hooks (secrets, schema changes) and an orchestrator skill that splits PRDs into subagent tasks with durable state.

**Stack:** TypeScript, MCP SDK, JSON-RPC, Zod, Vitest, GitLab API, Google Gemini API, Cursor rules, skills and hooks, Pi extensions

### Real Estate AI Search Agent
Feb 2026 – Present

Creator · Personal project

- Scrapes OLX.uz every 3 hours (BullMQ) and scores listing relevance with a local LLM (Ollama, Llama 3) or OpenAI.
- NestJS/MongoDB backend, Socket.IO updates and a React/Ant Design dashboard with AI chat and score filters.

**Stack:** NestJS, BullMQ, MongoDB, Ollama (Llama 3), OpenAI API, React, Ant Design, Socket.IO, Docker, Docker Compose

## OPEN SOURCE

- **MobX** (Contributor, github.com/mobxjs/mobx): merged PRs with a TypeScript typing fix and documentation.
- **next-state-adapter** (Author, npmjs.com/package/next-state-adapter): state adapter for the Next.js App Router.

## EDUCATION

### Academic Lyceum under the SSIAC
Sep 2015 – May 2018

Exact Sciences

## LANGUAGES

English (B2, Upper-Intermediate) · Russian (C1, Advanced) · Uzbek (Native)