

Makar Leonov

AI-Native Senior Software Engineer | Full-Stack Engineer

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SUMMARY

Senior AI-Native Software Engineer with 5+ years of commercial experience building complex software systems for FinTech, Crypto, Web3, and SaaS products.

Certified AI specialist. I use Claude Code, Cursor, Codex, and other AI tools as an integral part of my engineering workflow — for solution design, architecture and code analysis, accelerating development, and automating repetitive tasks.

I help companies design and evolve complex products — from system design and architecture to backend and frontend development, payment integrations, and third-party APIs. I focus on improving system reliability, performance, and scalability while reducing technical debt.

I believe strong engineering goes beyond writing code — it means building systems that remain understandable, reliable, and maintainable for years to come.

EXPERIENCE

Senior Software Engineer

B2C FinTech Startup (NDA) · Remote | June 2025 – July 2026

Development of a FinTech platform with cryptocurrency payments, card infrastructure, and integrations with financial service providers.

Stack: Node.js, NestJS, TypeScript, PostgreSQL, Redis, Docker, GitHub Actions, REST APIs, Swagger, TypeORM, Python, Go, Webhooks, OAuth, CI/CD, RAG, MCP servers, AI Agents, n8n, Low-code tools

- Designed financial event-processing mechanisms that eliminated the root causes of stuck transactions, status desynchronization, and inconsistent states, reducing incidents requiring manual intervention by approximately 60%.
- Improved the resilience of integrations with a payment provider, a crypto gateway, an e-SIM provider, and a hotel aggregator by implementing idempotent webhook processing, retry and fallback mechanisms, duplicate and out-of-order event protection, and monitoring of critical processes.
- Developed and evolved backend services with NestJS and PostgreSQL, optimizing SQL queries, refactoring legacy modules, strengthening application security, and improving overall codebase maintainability.
- Built administrative tools for financial operations support, incident diagnostics, and internal service workflows, significantly reducing the time required to resolve customer support cases.
- Automated software delivery processes by managing database migrations, improving CI/CD pipelines, and increasing deployment reliability.

Middle+ Full-Stack Engineer

RentyCars · UAE · Remote | July 2024 – August 2025

Development of a high-traffic international car rental platform with online booking and third-party service integrations.

Stack: React, Next.js, TypeScript, Node.js, PostgreSQL, Docker, WebSocket, Python, REST APIs, Webhooks, OAuth

- Developed key user flows using React, Next.js, and TypeScript, improving frontend architecture and the overall user experience.
- Improved frontend and backend performance, reducing page load times by 30–35% and average API latency by approximately 25% through rendering optimization, SQL query tuning, and improved service communication.
- Implemented real-time vehicle availability and dynamic pricing updates via WebSocket, ensuring continuous synchronization of user-facing data.
- Developed and improved Node.js backend APIs, strengthening error handling, data validation, and service containerization with Docker.

Middle Frontend Engineer

Umnico · Russia · Remote | November 2023 – December 2024

Development of an omnichannel platform for managing customer communications and processing messages in real time.

Stack: React, TypeScript, Redux, MobX, WebSocket

- Developed high-load, real-time interfaces for managing messages from WhatsApp, Instagram, Facebook, and other communication channels within a unified dashboard.
- Implemented high-volume WebSocket event processing, enabling real-time synchronization of messages, notifications, and application state.
- Optimized frontend performance by improving state management, component rendering, and overall interface responsiveness.
- Contributed to the internal design system and refactored legacy components, improving UI quality, maintainability, and reusability.

Junior+ Frontend Developer

Affinage · Russia · Remote · Contract | September 2022 – November 2023

Development of financial interfaces and internal services for a FinTech product.

Stack: Vue 3, Nuxt, TypeScript, Pinia, OAuth

- Developed new financial product modules and user interfaces using Vue 3, Nuxt, and TypeScript.
- Migrated part of the application from the Options API to the Composition API, extracting shared business logic into reusable composables and improving project maintainability.
- Improved application performance by increasing the Lighthouse score to 90+, reducing build time by approximately 35%, and contributing to OAuth and payment service integrations.

Junior Frontend Developer

IT Delta · Russia · On-site | January 2021 – September 2022

Development and maintenance of internal CRM systems and corporate web applications.

Stack: JavaScript, HTML, CSS, jQuery

- Built approximately 26 responsive landing pages and websites with client-side functionality.

SKILLS

AI: Claude Code, Codex, Cursor, MCP & Superpowers, MCP servers, RAG, AI Agents, n8n, Low-code tools

Backend: Node.js (NestJS), Python, Go, TypeORM / Prisma, REST API Design, Webhooks, OAuth

Databases: PostgreSQL, MongoDB, MySQL, Redis, Firebase, Supabase

DevOps: Docker, Docker Compose, CI/CD, Kubernetes, Portainer, Vercel, Sentry, Grafana

Frontend: JavaScript (ES6+), TypeScript, Vue, React, SSR (Nuxt, Next.js), State Management

Layout & Styling: HTML5, CSS / SCSS, Tailwind CSS, Bootstrap

Testing: Jest, Vitest, Unit & Integration Testing

Tooling: Git, Vite, ESLint / Biome, Prettier, Figma, Swagger, Postman

EDUCATION

Software Engineer, Web Developer

Rostov-on-Don College of Communications and Informatics (RCCI) · 2018 – 2022

Graduated with Honors

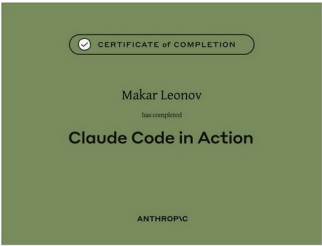
Certifications



Claude Code 101
Anthropic · Issued Jul 2026



Claude Platform 101
Anthropic · Issued Jul 2026



Claude Code in Action
Anthropic · Issued Jul 2026

LANGUAGES

Russian — Native | English — B2