

Anton Onishchenko

Architect/Lead AI Systems Architect, Senior Full-Stack

SUMMARY

- Senior Full-Stack AI Engineer and AI Systems Architect with 10+ years of experience building scalable, high-performance platforms for leading banks across Dubai, the United States, and Europe, as well as taking AI-driven startup products from MVP to production.
- Combines architectural expertise in React, Next.js, TypeScript with a strong business vision, designing cost-optimized Hybrid AI architectures that bridge legacy systems with modern Agentic workflows.
- Leading teams, mentoring engineers, and delivering products from MVP to profitability.

TECHNICAL SKILLS

Main Technical Skills	React (5 yr.), TypeScript (5 yr.), Node.js (5 yr.), LangGraph, Agentic Workflows
AI Tools & Assistants	Claude, CoPilot, Cursor, Gemini 3
Programming Languages	JavaScript, Python, TypeScript (5 yr.)
AI & Machine Learning	Claude, CoPilot, ElevenLabs, Hugging Face, LangChain, LangGraph, ollama, Prompt Engineering, RAG
JavaScript Frameworks	D3.js, Fastify, Lodash, Next.js (5 yr.), Node.js (5 yr.), React (5 yr.)
JavaScript Libraries and Tools	Enzyme, Ethers.js, Formik, i18next, Nightwatch.js, React Query, React Router, Redux, Redux Form, Redux Thunk, RxJs, SWR, Webpack, Zod, Zustand
Mobile Frameworks and Libraries	Kotlin Coroutines
Data Analysis and Visualization Technologies	Mixpanel
Databases & Management Systems / ORM	ChromaDB, Firebase, Firebase Realtime Database, FireStore, MongoDB, Redis, relational databases
UI Frameworks, Libraries, and Browsers	Ag Grid, Ant Design, Chakra UI, CSS, D3.js, HTML, JSS, Material UI, SASS, Storybook, Tailwind CSS
Cloud Platforms, Services & Computing	Azure, Firebase, GCP, Vercel
Amazon Web Services	AWS API Gateway, AWS S3, AWS SES

Google Cloud Platform	Firestore Realtime Database, Google Cloud Pub/Sub
SDK / API and Integrations	API Callouts, AWS API Gateway, Google Maps API, Keycloak, Swagger, Telegram API
Deployment, CI/CD & Administration	Axios, CI/CD
Version Control	BitBucket
Third Party Tools / IDEs / SDK / Services	Cursor
QA, Test Automation, Security	Cypress, Jest, React Testing Library
Blockchain and Decentralized Software	Ethers.js
Collaboration, Task & Issue Tracking	Jira
Virtualization, Containers and Orchestration	Kubernetes
Other Technical Skills	Binance API, CapSolver, Codex, GrowthBook, husky, Illustration and icons, PGVector, Service Worker, Single-SPA

WORK EXPERIENCE

Senior Full-Stack AI Engineer - RubyLabs (AI-powered wealth management platform)

Duration: June 2025 - Present

Summary: AI-powered wealth management platform that consolidates bank accounts, investments, real estate, and financial documents, using personalized agents to monitor a user's complete financial picture and turn insights into actions.

Responsibilities:

- Defined priorities and built core product functionality including landing page, onboarding, monetization, customizable financial dashboard, and AI chat.
- Architected AI automation layer with pipelines, prompts, structured outputs, and validation workflows.
- Set up development and release processes including CI/CD pipelines and multiple environments.
- Collaborated with CEO on feature prioritization, demos, and release notes.
- Reduced token usage and improved response times by implementing project-specific skills and context-routing workflows.

Technologies: React, Next.js, TypeScript, Node.js, Supabase, PostgreSQL, LangGraph, Langfuse, Telegram Bot API, ElevenLabs, Plaid, CI/CD, Codex, Claude



Senior Full-Stack AI Engineer (AI-native crypto market intelligence platform)

Summary: AI-native crypto market intelligence platform for real-time monitoring, multi-agent reasoning, and explainable investment insights integrating live crypto market data, news intelligence, and multi-step LLM workflows into a unified market analysis platform.

Responsibilities:

- Designed and delivered AI-first product architecture from scratch.
- Engineered cost-optimized hybrid AI workflows with centralized model routing to reduce token spend by ~40%.
- Orchestrated multi-agent market brief generation separating responsibilities across specialized agents.

Technologies: Next.js, React, TypeScript, Supabase, PostgreSQL, OpenRouter, LangGraph, LangChain, Langfuse, Zod, Tailwind CSS, shadcn/ui, Binance API, Docker, Cursor

Senior Full-Stack AI Engineer - CoinTraceAI (AI-powered job search and auto-apply platform)

Summary: AI-powered job search and auto-apply platform enabling users to scroll through jobs and apply with a single click, automating the job application process.

Responsibilities:

- Architected and delivered the platform's core feature 'Job Auto-Apply' with cost-optimized AI orchestration and multi-phase prompting.
- Implemented Langfuse-based evaluation layer for deterministic, observable, and cost-controlled AI system.
- Established best practices for AI-assisted development increasing team performance and reducing bugs and hallucinations.

Technologies: TypeScript, Node.js, Fastify, Next.js, React, Browser Use, Playwright (CDP), Langfuse, OpenRouter, Cloudflare AI Gateway, Gemini 3 Flash, Claude Sonnet, Google Embedding, CapSolver, Zod, PostgreSQL, pgvector, Supabase, Hatchet, Redis, AWS SES/S3, Mixpanel, GrowthBook

Senior Frontend Engineer - Unexify, Inc. (client: Tract.eco) (Enterprise-scale banking platform operations and customer workflows)

Duration: Nov 2022 - Jul 2023

Summary: Enterprise-scale banking platform operations and customer workflows focusing on feature delivery, security improvements, and system stability.

Responsibilities:

- Designed and adopted spec-driven development approach powered by AI agents to accelerate feature delivery by 50%.
- Owned end-to-end delivery of complex frontend features including Transfers, User Management, Card Management, Payroll.
- Led migration from legacy SMS-based OTP to secure mobile push-based authentication.
- Resolved critical production issues restoring system stability and unblocking development velocity.

Technologies: Next.js, React, TypeScript, Formik, Yup, Chakra UI, i18n, Storybook, Node.js, Docker, Copilot, Cursor



Senior Frontend Engineer - FAB First Abu Dhabi Bank (FAB) (Enterprise-scale banking platform operations and customer workflows)

Duration: Jul 2023 - June 2025

Senior Full-Stack Engineer - Bottomline Technologies (TLS/SSL Certificates Management Platform)

Duration: Apr 2020 - Sep 2022

Summary: Platform for managing TLS/SSL certificates focusing on core tasks to generate income and improve development velocity.

Responsibilities:

- Launched a startup focusing on core tasks generating significant income.
- Expanded shared UI component library in Storybook to accelerate development.
- Mentored React developers from Junior to Middle and Senior levels.
- Authored comprehensive test suites using Cypress and Jest.

Technologies: React (Hooks, Classes), TypeScript, Next.js, Node.js, Redux (Thunk, Saga), Tailwind, Storybook, Docker, Kubernetes

Senior Full-Stack Engineer - Digicert, Inc. (Sustainability Measurement Platform)

Duration: Oct 2016 – Jun 2017

Summary: Start-up platform for sustainability measurement transforming emissions data into contextual ESG insights with semantic search capabilities.

Responsibilities:

- Architected AI-powered sustainability insight engine.
- Designed semantic search over sustainability documentation using vector embeddings.
- Introduced Keycloak for authentication and internal workflows reducing development time and operational costs.

Technologies: React, TypeScript, Next.js, Tailwind, Formik, React-query, Keycloak-js, d3-sankey, react-google-maps, Storybook, Husky, Sass, Webpack

Frontend Developer (Junior, Middle) (Multiple client-facing web applications including Egyptian furniture company website redesign)

Duration: Oct 2016 – Jun 2017

Summary: Delivered multiple client-facing web applications including a full redesign of an Egyptian furniture company website and various freelance frontend projects for international clients.

Responsibilities:

- Developed architecture, implemented stories, fixed bugs, and performed testing.
- Led complete frontend redesign for a production website on-site in Egypt.
- Built scalable React-based applications from design to production.
- Developed custom JavaScript solutions when open-source alternatives were insufficient.



Technologies: React, TypeScript, JavaScript, Redux, Mapbox API, Google API, Material UI, Redux-forms, Axios, React-lazyload, Ant Design, HTML, CSS, Webpack, Jest

EDUCATION

- **Bachelor in Systems and Technologies of Cybersecurity**
The National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" -
Institute of Physics and Technology
- **IELTS - English Proficiency Exam**
8.0 score

