



# Stanislav Aituhanov

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## Objective

Senior AI Agent Engineer / Full Stack Developer (React / Node.js / Python) with extensive experience in building scalable backend systems, microservices architecture, and AI-powered applications. Passionate about designing and implementing intelligent AI agents, RAG systems, and agentic workflows.

## AI & LLM Skills

- LLM Integration: GPT-4, Claude, Llama - practical experience with API integration and agent orchestration
- Prompt & Context Engineering: System prompts, user prompts, token management, context window optimization
- AI Agent Frameworks: CrewAI, HuggingFace, LangGraph, AutoGen - multi-agent systems, agentic workflows
- RAG (Retrieval-Augmented Generation): Vector databases, embeddings, knowledge retrieval pipelines
- MCP (Model Context Protocol): Tool integration, server development, agent-tool orchestration
- AI-Assisted Development: Cursor, Claude Code - leveraging AI for productivity

## Technical Skills

- Languages: JavaScript/TypeScript (7+ years), Python (AI pipelines, backend), Go (microservices)
- Frontend: React, Next.js, Tailwind CSS, Material UI, Vite
- Backend: Node.js, Express.js, Fastify, Go, Python (FastAPI)
- Databases: MongoDB, PostgreSQL, Vector DBs (for RAG)
- APIs & Real-time: REST, GraphQL, WebSockets
- Architecture: Microservices, High-load system design, Database design
- DevOps & CI/CD: Docker, Kubernetes, AWS, GCP, GitHub Actions, Terraform, Pulumi
- Messaging: Kafka, Redis

# AI Agent Projects (Portfolio)

- **Website brochure Generator:** AI-powered brochure generator that scrapes and navigates company websites intelligently.
- **Trading Floor (Capstone):** Multi-agent trading system with 4 autonomous agents, 6 MCP servers, and 44 integrated tools for real-time trading decisions
- **Agent Creator:** Meta-agent system using AutoGen that dynamically creates and deploys new specialized agents
- **Browser Operator Agent:** LangGraph-based browser automation agent (similar to OpenAI Operator)
- **4-Agent Engineering Team:** Autonomous software development team using CrewAI with Docker-based Coder Agents
- **Deep Research System:** Multi-agent research team for comprehensive topic exploration and report generation
- **SDR Agent:** Automated Sales Development Representative for crafting and sending professional emails
- **Career Digital Twin:** Personal AI agent representing professional profile to potential employers
- **Stock Picker Agent:** CrewAI-powered investment analysis agent for automated stock screening

# Professional Experience

## Senior Full Stack Developer (React, Node.js, Go)

**MMD Smart** | Kyiv, Remote | December 2022 – Present

- Built Enterprise Platform from scratch with scalable microservices architecture
- Designed and implemented database structures and API integrations
- Responsible for React performance optimization and microservices architecture
- *Tech: React 18, Storybook, Tailwind CSS, Node.js, Go, Kafka, Docker, Kubernetes, Redis, MongoDB, PostgreSQL*

## Senior React/Node.js Developer

**Sphere Solutions** | Kyiv, Remote | February 2021 – December 2022

- Developed back office and front office portals for a British multinational oil and gas company
- Built micro frontends architecture and complex multistep wizards
- *Tech: React 16, Tailwind, Node.js, MongoDB*

## Senior Fullstack Developer

**Luxoft (LG Project)** | Kyiv | September 2020 – February 2021

- Developed internal portal for mobile phone application update management

## Senior Front-End Developer

**Luxoft (Porsche)** | Stuttgart, Germany | July 2019 – August 2020

- Developed user portal and shared component library for Porsche

## Earlier Experience (2008-2019)

- Luxoft (BMW): Connected Catalog for car configurations
- Zoomdata: Data visualization platform migration to React

- EPAM Systems: Full Stack development for global financial companies (2008-2018)

## **Soft Skills**

- Ability to explain ML/AI concepts in simple terms
- Flexible and quick to adapt to changes
- Strong teamwork, code review culture, constructive feedback
- Experience mentoring and conducting workshops

## **Education**

**National Aviation University** – Engineer Degree, Software for Automated Systems  
(2006-2011)

**National University of Management** – Magister in Marketing (1993-1999)