

Nikoloz Mchedlishvili

Position: Senior Full Stack Engineer, LLM AI Developer

Location: Georgia

Professional Summary

Software Engineer with 9+ years of experience delivering web applications for international clients across AI, RAG LLM apps, e-commerce, insurance, fitness, and advertising domains.

Expertise in JavaScript, Python, TypeScript, React, Node.js, AWS, and modern front-end architectures. Experienced in microservices, performance optimization, payment integrations, AI development, RAG applications and AI-assisted development workflows.

Skill/Industry Experience

Software Engineering: JavaScript, TypeScript, Python, Lanchain, Langgraph, n8n automation, React, Next.js, Node.js, Express.js, jQuery, HTML5, CSS3, REST APIs, Microservices.

Cloud & Infrastructure: Jira, Confluence, Azure DevOps, Miro, Enterprise Architect, Jama, TopTeam; ERP/SRP Systems, Microservices Integration, API Documentation, SQL, Unix-based Systems, Networking Concepts.

Databases: PostgreSQL, MySQL, MongoDB.

Testing & Quality: Jest, Enzyme, SonarQube.

AI Expertise: Prompt Engineering, LLM Workflow Design, GPT-based BA Automation, AI Knowledge Management.

Tools & Platforms: Git, GitHub, GitLab, SVN, PrimeReact, Material UI, Chakra UI

Industries: AI, RAG Agents, E-commerce, Insurance, Fitness Technology, Advertising Technology

AI Expertise: Prompt Engineering, LLM Workflow Design, AI Knowledge Management, n8n

Languages: English (Fluent), Russian (Fluent), Georgian (Native)

Professional Experience

Role and Position | Senior Software Engineer

2024 – present

- **RAG application** for retrieval of Georgian legislation from matsne.gov.ge portal
- Developed architecture and components of the RAG application
- Used langchain and python for application development.
- Integrated evaluation components for measuring performance achieving 95% score
- Optimized chunking and top-k for maximum results
- **Environment: Langchain, Python, Quadrant vector database**

Role and Position | Senior Software Engineer

2024 – 2026

- RAG-based LLM Platform (**Lumea**)
- Developed front-end and back-end components for the AI-powered platform.

- Integrated UI functionality with backend services.
- Optimized application performance and user experience
- Integrated UI functionality with backend services
- **Environment: React, Prime React, Typescript, Jenkins, Node JS, Docker, Docker Compose**

Role and Position | Senior Software Engineer

2023 – 2025

- **Jostens** (jostens.com) E-Commerce Platform
- Integrated PayPal and Venmo payment solutions.
- Built unified payment experience and redesigned key pages.
- Implemented fraud prevention services and worked within microservices architecture
- **Environment: React, jQuery, Vanilla Javascript, CSS, AWS, dotCMS, SVN**

Role and Position | Senior Software Engineer

2022 – 2023

- **Delivery Assessment** tool (Exadel internal project)
- Front end development of assessment platform
- Wrote unit tests in Jest, increased coverage of tests
- Worked with DevOps team to fix bugs
- **Environment: React, Typescript, SonarQube, Jest**

Role and Position | Senior Software Engineer

2021 – 2022

- **ABC Fitness** (abcfitness.com)
- Took main part in the development of dashboard
- Wrote new code and replaced old, legacy code
- **Environment: Javascript, HTML, CSS, Node JS**

Role and Position | Software Engineer

2019 – 2021

- Insurance firm **Farmers** (farmers.com) dashboard development
- Developed a portal that calculates premiums for insurance
- Populated data on the dashboard from FEMA API (US state agency)
- **Environment worked: React, Node JS, Material UI, CSS, Rest API**

Role and Position | Software Engineer

2021 – 2021

- Insurance company **National Flood Services**, NFS (side project of farmers.com)
- Calculation of insurance premiums for NFS clients
- **Environment worked: React, Node JS, Material UI, CSS, Rest API**

Role and Position | Software Engineer

2018 – 2021

- **Rakuten Advertising**, dashboard development
- Created components from scratch
- **Environment worked: React, Next JS, React Charts, HTML, CSS, Chakra UI**

Role and Position | Software Engineer

2017 – 2018

- **SPS Commerce**, dashboard development connecting vendors and retailers
- Developed dashboard which was generating invoices for clients
- **Environment worked: React, Typescript, Node JS, Redux**

Role and Position | Software Engineer

2017 – 2018

- **Personal Blog** for client in Georgia
- Developed architecture, code, style and deployed to cPanel the app
- **Environment worked: React, Node JS, Mongo DB, HTML, CSS**

Role and Position | Software Engineer

2016 – 2017

- **Upwork freelancer**
 - Developed WordPress application howradiologyworks.com
 - **Environment worked: Wordpress, HTML, CSS, Sketch design**
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Education & Certification

Tbilisi State University, Tbilisi, Georgia

Master in Science, Physics, Honors Diploma

Grenoble Business School, Tbilisi campus, Georgia

MBA in Global Management

LLM in Praticce with capstone RAG project, 2025

Finetuning LLMs, deplearning.ai, 2025

Improving Accuracy in LLMs, deplearning.ai, 2024

AI Agents in Langgraph, deplearning.ai, 2024

Number of courses in Udemy on AWS, full stack development and

Other areas, 2016–2026