

# Anton Karmanov

Backend/AI Engineer with 12+ years of experience, specializing in LLM/RAG systems and automation.

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**Telegram:** @aa\_karmanov

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## Technology Stack

Python • React Native • C# • PostgreSQL • MongoDB • Docker • nginx

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## Work Experience

### Backend Engineer

**AO Neiroseti** | April 2024 – Present

- Development and maintenance of Telegram bots for business automation and client management
- API integration with external services (Bitrix24, hh.ru, Outlook, Google API, OCR)
- Business logic design for lead management, deal tracking, and notifications
- OAuth2 authentication tools, calendar synchronization, and document text extraction
- Code refactoring, test coverage improvement, and new feature implementation
- Docker/Linux cloud infrastructure deployment and support
- Technical documentation and release support

**Stack:** Python, FastAPI, Telegram Bot API, Google API, Bitrix API, OAuth2, Docker, PostgreSQL

### Tech Lead Developer

**aitomaton** | January 2024 – Present

- Designed and built customer assistant chatbots, RAG systems, and chat/tooling systems
- Deployed and integrated cloud services
- Experimented with and tested various applicable capabilities of LLMs

**Stack:** bash, python, llama-index, langchain, RAG, docker, MongoDB, antropic

### Backend Engineer

**QStudio.org — Boutique Digital Transformation Agency** | December 2018 – January 2024

- Developed back-end APIs
- Managed cloud deployment and integration
- Financial operations including crypto/flat exchange
- Provided technical support and front-end development
- SMM automation, chatbots, web scraping
- DevOps: Docker/Nginx
- Performed data analysis and built reports

**Stack:** Python 2, Python 3, TensorFlow, docker, nginx, MongoDB, tornado, fastapi

## Fullstack Development Engineer

**Alfa Pribor** | August 2016 – November 2018

Access control system components:

- Desktop client (PyQT, Python2.7)
- Backend server (Django, PostgreSQL, Django REST Framework, Docker)
- Web application (ASP.NET MVC, jQuery, Firebird SQL, IIS)

**Stack:** Python, Django, .NET, C#, REST, PostgreSQL, FirebirdSQL, git

## Software Development Engineer

**Developer Express, Inc.** | May 2015 – July 2016

- .NET UI controls development (WPF, WinForms)
- Main domains: maps, charts, and diagrams
- Provided technical support (mostly US customers)

**Stack:** .NET, C#, WinForms, WPF, REST, git, SOAP

## Software Development Engineer / CAD Engineer

**Freelance / Various Companies** | August 2013 – April 2015

Example of enterprise projects, developed all alone for internal usage:

- Macros, plugins and applications for CAD-system Tekla Structures using TeklaStructures API and .Net platform
- Internal time management system. Gathering, processing, and user-friendly representation of information about employees, delays, premiums, payments, etc.
- Steel resources management system. Various calculations for optimal use, waste minimization, and recycling of metal

**Stack:** .NET, C#, WinForms, TeklaStructures, MS Access SQL

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## Education

**2008-2012** Tula State University | CAD Engineer

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## Languages

**English:** B1

**Russian:** Native