

Bakhti Baymukhamedov

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Professional Summary

Versatile developer, DevOps engineer, and network specialist with a robust background in Python application development and IT automation. Proven expertise in designing, deploying, and managing scalable Linux-based cloud infrastructures and enterprise networks. I have developed AI-powered chatbots and integrated diverse APIs, while also building mobile applications using Kotlin (Android) and SwiftUI (iOS). My portfolio—including projects like Aktau Guide, LexAI, SmartGallery, and FastAPI Auth—demonstrates my commitment to delivering innovative, end-to-end solutions that drive operational efficiency and business success.

Professional Experience

Python Developer (Part-time, Remote)

[Autentik AI](#)

March 2024 – February 2025

- Developed AI bots for Telegram, WhatsApp, Slack, and Discord using Python libraries such as **aiogram**, **telebot**, **pywa**, **slack-bolt**, and **discord.py**.
- Implemented database interactions using **Tortoise ORM** and **PostgreSQL** to support data-driven functionalities.
- Deployed and maintained applications on **Linux-based servers**, ensuring reliable and scalable production environments.
- Integrated AI functionalities through **Anthropic API (Claude LLM)** and **OpenAI API (ChatGPT-4)**, enhancing the intelligence of the bots.
- Collaborated with additional service APIs, including **Portkey**, **Mixpanel**, and **Sentry**, for performance monitoring and error tracking.

DevOps Engineer Associate

[TCG Process Switzerland](#)

June 2024 – Present, (Part-time, Remote)

- Developed, maintained, and optimized **PowerShell** scripts to automate IT operations and cloud infrastructure management.
- Designed and supported **Azure Resource Manager (ARM) templates** for Infrastructure as Code (IaC) deployments, ensuring efficient resource provisioning.

- Managed **Kubernetes clusters in Azure (AKS)**, with a strong focus on Linux-based container orchestration and deployment best practices.
- Created a **Telegram bot API client** to facilitate automation processes within IT operations.
- Leveraged Linux environments extensively for running automation scripts and monitoring system health.

Network Engineering Experience

Network Engineer

[*Inline Telecom Solutions*](#), Remote

March 2020 – Present

- Managed enterprise networks using Cisco, Mikrotik, and Juniper equipment supporting over 1,000 client endpoints.
- Configured and maintained core network infrastructures using OSPF, BGP, TCP/IP, and VPN protocols.
- Conducted network diagnostics with tcpdump, ensuring optimal performance and troubleshooting 3G/LTE channels.

Network Engineer

[*CJSC ER-Telecom Holding*](#), Moscow, Russian Federation

December 2017 – March 2020

- Configured and maintained network infrastructures and client equipment in a telecommunications environment.
- Implemented advanced network configurations—including BGP, OSPF, VPN, and VLAN setups—across multiple vendor platforms.

Technical Skills

- Programming Languages: Python, PowerShell
- Mobile Development: Entry-level mobile application developer with minimal experience in SwiftUI (iOS) and Kotlin (Android).
- Web Frameworks: FastAPI, Django, Flask
- Cloud & Infrastructure: Azure, ARM Templates, Kubernetes (AKS), Docker, CI/CD
- Operating Systems: Extensive experience with Linux (deployment, scripting, and system management), Windows, MacOS
- Databases: PostgreSQL, MongoDB, SQLite,

- APIs & Integrations: REST API, Anthropic API, OpenAI API, Portkey, Mixpanel, Sentry, Cloudflare, Cert-manager, Certbot
- Frontend Technologies: HTML, CSS, Bootstrap, UIKit
- Tools & Version Control: Git, NGINX, systemd, gunicorn, uvicorn
- Network Engineering: Cisco, Mikrotik, Juniper, OSPF, BGP, VPN, tcpdump

Pet Projects

Kotlin/Python Backend Developer – Aktau Guide

Self-employed, Remote

July 2024 – Present (9 months)

- Founded and developed the **Aktau Guide** startup—a city-focused mobile application providing locals and tourists with comprehensive information about Aktau.
- **Android App**: Developed using **Kotlin** for a seamless, user-friendly experience.
- **iOS App**: Built with **SwiftUI**, leveraging native Apple frameworks for an intuitive interface.
- **Backend**: Created using **FastAPI** for both web administration and REST APIs, integrated with **Uvicorn**, **Tortoise ORM**, **PostgreSQL**, and orchestrated via **docker-compose**.
- Deployed backend services on Linux servers to ensure robust and scalable performance.

LexAI – AI-Powered Text Assistant

Self-employed / Personal Project

- Developed **LexAI**, an AI-powered assistant for translating and refining text.
- Provides users with options for Standard, Formal, or Street-Style translations powered by **GPT-4** and **Claude AI**.
- Features include custom prompt creation and automatic result copying to streamline user workflows.
- Supports multiple languages to facilitate global communication.

SmartGallery – Django-Based Image Gallery

Self-employed / Personal Project, [demo](#)

- Developed a versatile image gallery using Django, enabling comprehensive album and image management.

- Key features: image uploads, YouTube video associations, thumbnail and full-size image generation, and EXIF/GEO data extraction with Google Maps integration.
- Provides customizable templates and admin settings; deployable via docker-compose or manual setup (systemd, Unicorn, NGINX, Certbot).

FastAPI Auth – Admin Dashboard for User and Group Management

Self-employed / Personal Project

- Created an admin dashboard using FastAPI for managing users and groups.
- Core features: user authentication (email-based), registration with optional invite codes, and comprehensive group management.
- Utilizes Tortoise-ORM for database operations and UIKit for frontend styling; supports static content serving and includes a default admin user.

Education

Moscow State Institute of Radio Engineering, Electronics and Automation (Technical University)

Bachelor's Degree in Networking and Software Development

2016 – 2020

- I studied programming in C++, Assembler, and Prolog.
- Gained knowledge in network technologies, web development, and MySQL database management.

Moscow College of Polytechnics N50

Diploma Specialist in Network and System Administration / Administrator

2010 – 2014

- Focused on network technologies, computer architecture, and Cisco training/certification.
- Acquired skills in programming (Pascal, Delphi, Assembler), web development, SQL.