

AlgorithmAlchemy

Tbilisi, Georgia

Backend Python Engineer (FastAPI, PostgreSQL, Distributed Systems). Backend engineer specializing in scalable system design and high-performance architectures. Built and maintained production systems using FastAPI, Django, and PostgreSQL, with focus on async workloads and efficient data processing. Experienced in microservices design, database optimization, and Docker-based CI/CD. Capable of owning backend architecture and leading technical direction in small teams.

Skills

General: English: Technical reading & communication (working level)

Backend: Flask, REST API design, WebSocket, async programming (asyncio), microservices architecture

Databases: PostgreSQL, Redis, SQLite, MongoDB, SQLAlchemy, Alembic, query optimization, transactions, data modeling

DevOps: Docker Compose, Linux (Ubuntu/Debian), Nginx, CI/CD (GitHub Actions, GitLab CI); Server deployment, VPS management, process orchestration; Bash scripting, system automation, SSH-based workflows

Experience

Amnezia TimeTracker

Backend Middle Python Engineer

20.07.2025 - 27.02.2026 • Remote

- Designed and built a microservices-based time tracking system with scalable backend architecture
- Developed and maintained RESTful APIs using FastAPI
- Achieved ~90% test coverage with unit and integration tests
- Participated in architectural decisions and backend system design
- Delivered a production-ready system as a solo developer with full ownership (500+ commits)
- Implemented strict type checking and clean code standards across services
- Supported CI/CD workflows and Docker-based deployment pipelines

Freelance / Contract

Backend Python Engineer

01.07.2022 - 01.07.2025 • Remote

- Developed backend systems using FastAPI, Flask, and Django, focusing on scalable API design and integrations
- Built automation systems and data processing pipelines for various domains
- Delivered 50+ production-grade backend projects (freelance / contract-based)
- Improved system performance by up to 30% through query optimization and async processing
- Developed Telegram-based e-commerce systems with integrated crypto and fiat payment solutions
- Built Web3-enabled applications (Ethereum, TON, BNB) with blockchain integrations
- Designed and deployed Docker-based infrastructure and CI/CD workflows on VPS environments
- Implemented asynchronous processing using asyncio and concurrency patterns for high-load tasks

Projects

flake8-no-emoji (Open Source / Dev Tooling)

Github: <https://github.com/AlgorithmAlchemy/flake8-no-emoji>

- Stack: Python, Flake8, AST/Regex parsing, pre-commit hooks, PyPI
- Developed a Flake8 plugin for detecting emoji usage in Python code (EMO001 rule)
- Implemented Unicode-aware parsing including multi-codepoint emoji sequences
- Integrated with Flake8 and pre-commit workflows for CI/CD pipelines
- Published and maintained as a versioned open-source package on PyPI

Telegram E-commerce / VPN Shop System

- Stack: Python, aiogram, PostgreSQL, Redis, async, payment APIs, Docker
- Built a Telegram-based e-commerce platform for digital product distribution
- Implemented automated order processing with instant delivery
- Integrated crypto and fiat payment systems with automated transaction verification
- Designed async workflows for handling concurrent user requests

Open Source Contributions

- Developed and maintained Flake8 plugins (flake8-no-emoji, flake8-only-english)Published Python packages on PyPI with versioned releases and CI/CD integrationBuilt developer tooling focused on code quality enforcement and static analysisIntegrated tools with pre-commit and linting workflows used in production environments

Languages

English

Portfolio: <https://algorithmalchemistry.github.io/>