

CONTACTS

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LANGUAGES

- Ukrainian (Native)
- English (Upper Intermediate)

INTERESTS

- Psychology
- Computer architecture
- Hard Electronic Music
- Game Dev
- Game analytics

Andrii Derkach

Go & Python Backend Developer

Go/Python backend engineer with 4+ years of experience building microservices, automation tools and distributed systems. Strong in Go backend, SQL and NoSQL databases, REST/gRPC APIs, and containerization with Docker/k8s, Kafka & analogs and ElasticSearch/OpenSearch engines. Experienced in cloud platforms, data pipelines and performance optimisation. Python for data analysis, web scraping, and automation scripting.

Skills

- **Languages:** Go ★, Python, TS, JS
- **Databases:** PostgreSQL, MySQL, Spanner, MongoDB, Redis, Memcached
- **Search:** ElasticSearch, OpenSearch
- **APIs:** REST, gRPC/Protobuf
- **Infrastructure:** Git, Docker, k8s, CI/CD, Bash, Ansible
- **Frontend:** JS, React, TS
- **Messaging:** Kafka, RabbitMQ, Redpanda
- **Cloud:** GCP, AWS (basics), Vercel
- **Process:** Agile/Scrum, JIRA, Confluence, Linear

Go ecosystem

Gin, Echo, Chi, Fiber, GORM, Testify, golangci-lint, Gocolly, Gorilla Web Kit

Python ecosystem

Flask, FastAPI, SQLAlchemy, Alembic, PyTest, Scrapy, Selenium, BeautifulSoup

AI-assisted development

Anthropic Claude Code, OpenAI ChatGPT + Codex, Google Gemini, GitHub Copilot

3rd party APIs & services

Telegram API, Discord API, Google API (Sheets, Drive, Docs), Twilio, Sendgrid, Zenrows

Education

Bachelor's degree, Computer Science

Sep 2017 – June 2021

The Ivan Franko National University of Lviv

Web development, statistics, ML, data analytics, clustering, Linux administration

Master's degree, Computer Science

Sep 2021 – Dec 2022

The Ivan Franko National University of Lviv

Distributed systems, containerization (Docker, k8s), ML, data analytics, statistics, Linux administration

Experience

Golang developer at Cherrytrader

June 2025 – Present

Remote

Cloud-based trading platform for American trucks with analytics and tracking system.

- Developed and maintained 12 Go microservices across 3 environments (dev/staging/ prod)
- Designed and maintained REST/gRPC APIs and data processing services backed by 10 Spanner databases
- Led integration of a large client (up to 1,000 listings), building custom data pipelines and performance optimizations
- Improved performance and stability of production services; resolved production incidents within 30 min – 4 hours
- Implemented tracking and statistics features for sellers and buyers, including Twilio-based call tracking with virtual proxy numbers (call records and metadata)
- Reduced Spanner costs by 28% on dev/staging by migrating from Enterprise Plus to Standard edition
- Managed and updated production k8s cluster on GCP
- Set up linting and code quality tooling
- Used Python and Selenium for data analysis, file processing, and database investigation
- Coordinated across distributed team with DevOps, backend, frontend, iOS, Android, and QA
- Conducted code reviews including tech lead's code
- Maintained technical documentation (ApiDog, GitHub docs, PDFs for management and marketing)
- Task tracking with Linear, time management with Clockify
- Leveraged AI-assisted development (Claude Code) to accelerate delivery and improve code quality

Technologies:

GCP, Spanner, k8s, Google API Gateway, Google Cloud Storage, Vercel

Go, Echo, squirrel, zog, go-validator, golangci-lint, Gocolly, React

Python (data analysis, scripting)

Zenrows, Selenium, Twilio, Sendgrid, Claude Code

Golang developer at AerLogics

Apr 2025 – June 2025

Remote

Aviation flight tracking & pilot logbook platform with real-time data pipelines and safety analysis.

- Built event-driven microservices (Go, gRPC, Protobuf) as part of a 5-service architecture with Kafka/Redpanda streaming pipelines processing real-time aircraft telemetry
- Owned a data ingestion service consuming from 1 of 7 external aviation data sources via Kafka/Redpanda pipeline
- Designed shared Go library with CQRS decorators, Kafka consumer/producer abstractions, and structured logging
- Deployed containerized infrastructure with PostgreSQL/PostGIS (including DB triggers), OpenSearch, Redis, Redpanda, Grafana/Prometheus
- Integrated aeronautical advisory processing (METAR, NOTAM, TFR) with geospatial flight-path matching
- Used Python for data analysis, field mapping, and database investigation

Technologies:

Docker, PostgreSQL/PostGIS, OpenSearch, Redis, Kafka/Redpanda

Go, gRPC/Protobuf, GORM, ozzo-validation, migrate, goose, golangci-lint, React/TypeScript

Python (data analysis, scripting)

AirNav Systems, RadarBox, FAA data sources

Golang developer at KiraNetwork

Feb 2023 – May 2024

Remote

Blockchain automation platform — distributed, verifiable cloud computing network for managing blockchain nodes on clients' servers.

- Designed and developed a DevOps automation tool for orchestrating containers for blockchain nodes using Golang Docker SDK and Unix sockets
- Implemented containerized environments to simplify node deployment and lifecycle management
- Developed a CLI tool for node control, including setup, monitoring, and failure recovery
- Set up CI/CD rules for linting and formatting
- Reduced Docker images from 7 GB to 100 MB each by applying separation of concerns
- Mentored a junior developer and conducted extensive code reviews
- Maintained technical documentation in Notion

Technologies:

Docker, Docker Compose, QEMU, Ansible, Unix Sockets, GitHub Actions, CI/CD, Go, Gorilla Web Kit, golangci-lint, Bash

Golang Jn developer at Luxoft

Feb 2022 – March 2023

Remote

Cloud-Based Dental Management SaaS Platform built on microservice architecture.

- Developed backend microservices as part of a 20+ service dental SaaS platform
- Designed RESTful APIs (Gin, Echo, Chi) serving multiple frontend clients
- Built gRPC endpoints for inter-service communication, reducing response latency
- Decoupled synchronous workflows into async pipelines via Kafka/RabbitMQ, improving system resilience
- Identified and resolved slow queries in PostgreSQL and MongoDB causing production timeouts
- Configured linting and formatting standards for the team
- Experienced in Atlassian tools (JIRA, Confluence)
- Assisted junior developers with problem-solving and conducted code reviews
- Maintained onboarding documentation in GitHub repos

Technologies:

Docker, k8s, CI/CD, REST, gRPC, Redis, Kafka, RabbitMQ, PostgreSQL, MongoDB, Go, Gin, Echo, Chi, GORM, Testify, pgx, ozzo-validation, migrate, goose, golangci-lint

Internship at Cursor.Education

Apr 2020 – Oct 2021

Lviv

Automation projects with 3rd party APIs — rating system for a gaming community and Discord bot for user management.

- Built automated rating system with player performance tracking via Google Sheets API
- Developed a Discord bot for user management, moderation, and data storage

Technologies:

Docker, PostgreSQL, Python, SQLAlchemy, Alembic, Google API, Telegram API, Discord API