

Gregor Kračan

Backend Engineer

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Summary

Backend engineer with 4+ years of experience building scalable backend services, APIs, and data-driven systems in Python and Go. Experienced in designing REST APIs and event-driven services, working with relational and non-relational databases, debugging production systems, and deploying containerized applications. Comfortable working across the full development lifecycle, from implementation and integration to testing, deployment, and production support.

Focus areas: Python backend development (FastAPI, Flask), REST APIs and integrations, microservices and event-driven architecture, PostgreSQL/MongoDB and other databases, unit/integration testing, Docker/Kubernetes, CI/CD, and cloud infrastructure (AWS, Azure).

Experience

Independent Platform Project (Betrix / Chartrix)

[Remote](#)

Backend Engineer

Jun. 2025 – Mar. 2026

- **Tech Stack:** Python, Golang, WebSockets, PostgreSQL, Redis, Docker, Kubernetes (EKS), AWS (EKS, EC2, S3), REST APIs, Prometheus, Grafana, OpenTelemetry
- Built and owned real-time data collection pipelines and backend services for Betrix, an esports prediction service, by reverse engineering external APIs and scraping live tournament data.
- Integrated multiple real time data sources and WebSocket feeds for Chartrix, a crypto signals prediction service, handling upstream inconsistencies and failures to keep downstream services stable under load.
- Developed backend services in Python and Go to normalize, validate, and store inconsistent data formats behind REST APIs and downstream consumers.
- Implemented automated refresh workflows and containerized deployments with Docker and Kubernetes, with Prometheus, Grafana, and OpenTelemetry observability to keep data pipelines reliable and simplify production debugging.

ADT Betting

[Remote](#)

Backend Engineer & ETL (Remote, Project-Based)

Dec. 2023 – Nov. 2024

- **Tech Stack:** Golang, Python, Docker, AWS (Lambda, S3, EC2, SNS/SQS, DynamoDB, Cognito, CloudWatch), Auth0, PostgreSQL, Redis, Prometheus, Grafana, OpenTelemetry
- Redesigned a monolithic Python pipeline into a distributed, event-driven architecture using AWS SNS/SQS and Lambda workers, reducing total processing latency from minutes to seconds.
- Integrated 25+ partner APIs while handling rate limits, authentication schemes, schema inconsistencies, and edge cases in production data flows, including JWT-based authentication and Auth0 identity and access management for secure API access.
- Designed and implemented Go services and AWS-based workers supporting high-throughput real time data access and reliable behavior under load.
- Implemented monitoring, metrics, and tracing with CloudWatch, Prometheus, Grafana, and OpenTelemetry, improving production debugging and operational visibility across distributed data flows.

Self-employed

[Remote](#)

Freelance Backend Developer

Jul. 2021 – Nov. 2022

- **Tech Stack:** JavaScript/TypeScript, React, Node.js, MongoDB, Solana, RabbitMQ, Vercel, Netlify, CSS/HTML
- Built and launched 20+ client products with Solana integrations, handling backend implementation, deployment, and production launch coordination.
- Supported high traffic launch events with thousands of concurrent users, focusing on reliability during peak traffic and release windows.
- Built Node.js backend modules, APIs, and services for metadata management, calculations, and real time status updates.

Dewesoft

[Trbovlje, Slovenia](#)

Full Stack Developer

Jul. 2019 – Dec. 2020

- **Tech Stack:** PHP, Laravel, JavaScript, MySQL, REST APIs, jQuery, OpenAPI/Swagger, CSS/HTML
- Contributed to website redesign and API migration, refactoring endpoints and documenting APIs using OpenAPI/Swagger to improve integration clarity and maintainability.
- Developed internal financial management tools for the finance department, implementing calculation logic and automated reporting workflows with a focus on correctness and reducing repetitive manual work.
- Maintained full-stack features on the company website, handling backend debugging, server-side feature delivery, and ongoing maintenance.

Projects

Riff – Event Streaming Platform

- *Tech Stack:* Go, React/TypeScript, Docker, Kubernetes (AKS), Terraform, Argo CD, Prometheus, Grafana, Azure (Managed Disk, Container Registry, Load Balancer)
- Built a Kafka-style event streaming broker in Go with a custom binary wire protocol, segmented append-only log storage, and a consumer group coordinator supporting generational rebalancing.
- Designed and deployed the platform to Azure Kubernetes Service using Terraform for infrastructure provisioning and Argo CD for GitOps-based deployment, with a StatefulSet backed by Azure Managed Disk and Azure Container Registry.
- Built a control API and real-time operations console (React/TypeScript) exposing broker status, topic and partition management, and live event streaming via Server-Sent Events.
- Implemented observability with Prometheus metrics and Grafana dashboards, and provided a parallel Docker Compose stack for local development matching the production topology.

Crypto Arbitrage Finder (Experimental)

- *Tech Stack:* Golang, WebSocket (gorilla), Pub/Sub (Redis), Grafana, Prometheus, OpenTelemetry, QuestDB, AWS DynamoDB, AWS EC2, Docker
- Real time event processing system monitoring 15+ cryptocurrency exchanges simultaneously through WebSocket connections.
- Designed for low latency using goroutines, concurrent data structures, and Redis caching plus pub/sub messaging.
- Ran latency-sensitive components on AWS EC2 in the Tokyo region to reduce round-trip time to exchange endpoints in Asia.
- Processes 10,000+ market updates per second with in memory state management and asynchronous persistence to QuestDB.

Polymarket HFT Trading Bot

- *Tech Stack:* Go, AWS (EC2 – Ireland)
- Built a custom high-frequency trading engine in Go for automated market making/taking on Polymarket, optimized for low-latency execution.
- Implemented real-time data feed ingestion and in-memory order book reconstruction to track market state and react to price/liquidity changes.
- Built a backtesting framework to validate strategy performance against historical data before live deployment, plus risk limit controls to bound position size and exposure during live testing.
- Deployed on AWS EC2 in the Ireland region to minimize network round-trip time to Polymarket's infrastructure. Currently in active testing; early results are promising.

Education

Gea College

Computer and Information Science

[Ljubljana, Slovenia](#)

2020 – 2022

Higher Professional School Velenje

Computer Science

[Velenje, Slovenia](#)

2019 – 2020

Srednja tehniška in poklicna šola Trbovlje

High School Degree in Computer Science

[Trbovlje, Slovenia](#)

2019

Certifications

- 2026 **Microsoft DevOps Engineering Professional Certificate**, Coursera
IBM DevOps and Software Engineering Professional Certificate, IBM / Coursera
IBM Generative AI Engineering Professional Certificate, IBM / Coursera
IBM Back-End Development Professional Certificate, IBM / Coursera
AWS Cloud Solutions Architect Professional Certificate, Coursera

Skills

Backend Development	Python (FastAPI, Flask), Go, Node.js (TypeScript/JavaScript), C#, PHP (Laravel), REST APIs, OpenAPI/Swagger
Databases	PostgreSQL, MongoDB, Redis, MySQL, QuestDB (time-series), Supabase, DynamoDB
Testing & Security	Unit/integration testing, API validation, Auth0, AWS Cognito, OAuth 2.0/OIDC, JWT, secrets handling, secure service-to-service integrations
Cloud & DevOps	AWS (EKS, Lambda, EC2, S3, SNS/SQS), Docker, Kubernetes, CI/CD, Git, Linux, Bash scripting; exposure to Terraform, Argo CD, and Red Hat OpenShift
Messaging & Event-Driven	Redis (pub/sub), RabbitMQ, AWS SNS/SQS, WebSocket protocols
Observability	Grafana, Prometheus, OpenTelemetry, CloudWatch – monitoring, metrics, distributed tracing, production support
Frontend	TypeScript, React, JavaScript, HTML/CSS