

Ivan Bazhenov

Software Engineer (Backend Python) | Event-driven systems | Mortgage/fintech domain exposure

0466284180 | bazhenov.in@gmail.com | Kensington, VIC 3031 (Melbourne) - open to relocate to Sydney, NSW

LinkedIn: <https://www.linkedin.com/in/sendhello> | GitHub: <https://github.com/sendhello>

Work rights: Onshore in Melbourne, VIC. Open to relocate within Australia (including Sydney). Requires employer sponsorship for full-time employment (TSS 482).

PERSONAL SUMMARY

Software Engineer with 7+ years of backend experience building and operating scalable, low-latency microservices and web APIs in Python (FastAPI/Django). Strong background in event-driven architectures (Kafka/RabbitMQ), data-intensive systems (PostgreSQL, ClickHouse, Redis), and production support (debugging, monitoring, incident response). Experienced shipping self-testing code with CI/CD (GitLab) and improving engineering ways of working through pragmatic design, code review, and observability. Domain experience in lending workflows and credit decisioning (mortgage automation, servicing/income checks, credit scoring integrations). Onshore in Australia and available for full-time roles; requires employer sponsorship (TSS 482).

SKILLS

Core languages & frameworks:

- Python 3
- FastAPI
- Django
- Flask
- AsyncIO
- Pydantic

Web APIs:

- HTTP/REST
- API design for internal/external consumers
- Authentication/authorisation patterns (service-to-service)
- API observability (structured logs, tracing headers)

Messaging & event-driven systems:

- Kafka
- RabbitMQ
- Asynchronous processing
- Event logging and downstream integrations

Testing & delivery:

- pytest
- Automated testing in legacy and greenfield codebases

- Self-testing code practices
- CI/CD with GitLab CI/CD
- Code review and quality gates

Data stores & analytics:

- PostgreSQL
- ClickHouse
- Redis
- Tarantool
- SQL performance tuning
- ETL (dbt, Spark/PySpark)

Cloud, platform & operations:

- Docker
- Kubernetes
- Git
- Infrastructure automation (Ansible)
- Terraform (foundational)
- AWS (foundational: EC2, IAM, S3, RDS, VPC)

Observability & production support:

- Monitoring, alerting and incident response
- OpenSearch/Elasticsearch, Kibana
- Prometheus, Grafana
- Jaeger, OpenTelemetry
- Sentry
- Health checks, metrics, dashboards

Ways of working (collaboration):

- Cross-functional delivery with Product/UX and engineers
- Pragmatic domain modelling and iterative design
- Continuous improvement of team processes

AI-powered tools:

- Exposure to AI coding assistants and chat-based tooling to speed up development and troubleshooting (used for refactoring support, test scaffolding and investigation)

PROFESSIONAL EXPERIENCE

Software Engineer (Backend, Python), A2 Code, November 2024-Current (Remote)

- Designed and implemented a security audit/event logging system and export pipeline to external security/SIEM/CEF tools, aligning event requirements with multiple teams and enabling onboarding of a major enterprise client.
- Built batch ETL for analytical consolidation and data modelling (dbt + Apache Spark), moving data from PostgreSQL to ClickHouse to support scalable reporting and decision-making use cases.
- Re-architected seven synchronous single-cloud adapter services into one multi-cloud service using asynchronous adapters; reduced Kubernetes footprint (pods 7 to 1), improved throughput and p95 latency, and simplified operations and support.

- Implemented GitLab CI/CD pipelines to build, test, version and publish internal Python libraries to a private package registry (Nexus), improving release governance and developer productivity.
- Centralised service logs into OpenSearch and strengthened production troubleshooting workflows, reducing time to isolate and remediate incidents.

Software Engineer, VK, August 2023-November 2024 (Moscow, Russia)

- Delivered and supported high-load microservices with a strong focus on reliability, low latency and operational excellence (PostgreSQL, Kafka, Tarantool).
- Designed and implemented a Tarantool-based timer subsystem to replace a legacy scheduler, improving robustness and simplifying architecture under load.
- Introduced an A/B testing framework for business-logic scenarios to ship changes safely and measure impact, supporting iterative product delivery.
- Built an internal library for secure inter-service HTTP calls (auth, proxy, certificates) with observability hooks (trace propagation, structured logging), standardising API integrations across services.

Python Developer (Lending platform), Balance-Platform LLC, March 2020-August 2023 (Moscow, Russia)

- Automated mortgage workflows using state-machine driven business processes, improving turnaround times and customer experience for key clients.
- Delivered services to obtain pension-fund extracts and calculate borrower income within the mortgage pipeline, reducing manual verification workload for operations teams.
- Integrated ML model outputs into a credit scoring service to enable automated use of model signals in credit decisioning and policy flows.
- Containerised services and migrated legacy components to Kubernetes to improve deployment consistency, scalability and supportability.

Full-stack Developer (Python/JavaScript), Kefir Advertising Agency, March 2019-February 2020 (Moscow, Russia)

- Built and maintained a Python Django CMS with caching, dynamic fields, and SEO-related features (including sitemap generation).
- Implemented user-facing web features in JavaScript/jQuery and improved frontend build processes with webpack, working with stakeholders on interaction requirements.

System Administrator, Alexandrovsky Park Group, May 2016-January 2019 (Moscow, Russia)

- Developed Python and MS SQL automation scripts and a reporting application to reduce manual operational work and improve data accuracy.
- Supported and maintained IT infrastructure for 100+ PCs and network services, building strong operational discipline and incident handling skills.

System Administrator, Ulyanovskkurort JSC, August 2011-May 2016 (Russia)

- Maintained corporate website and supported 100+ PCs and IT infrastructure, ensuring business continuity and user support.

Logistics Specialist, SPSR-Express LLC, August 2008-June 2010 (Russia)

- Handled warehouse logistics and provided IT support, developing a customer-focused, process-driven approach.

EDUCATION & CERTIFICATIONS

Masters of Information Technology - Torrens University Australia, Melbourne, VIC - Expected in December 2027

ELICOS, General English - ILSC Education Group, Melbourne, VIC - July 2025

Cloud Engineer AWS (basic) - Slurm.io, Online - May 2025

Middle Python Developer - Practicum By Yandex, Online - February 2023

Apache Airflow For Analysts - Stepic.org, Online - December 2022

Kubernetes for Developers - Slurm.io, Online - March 2021

Python: Basics and Application - Stepic.org, Online - May 2017

Diploma Informatics - Ulyanovsk Pedagogical College 4, Russia - June 2008

LANGUAGES

- English, B2 - Russian, C2

HOBBIES AND INTERESTS

- Cycling - Tennis - Hiking - Coffee culture