Namazbek Bekzhanov

Almaty, Kazakhstan | namazbekzhan@gmail.com | +7 700 564 6454
linkedin.com/in/namazbek-bekzhanov | github.com/mrnamazbek

Education

Kazakh-British Technical University (KBTU) — Almaty, Kazakhstan
Master of Science in Computer Science and Data Analytics, ***GPA: 3.88*** — *Sep 2025 – Present*

SDU University (SDU) — Almaty, Kazakhstan
Bachelor of Engineering in Information Systems, ***GPA: 3.6*** — *Sep 2021 – Jun 2025*

- **Relevant Coursework:** Advanced Algorithms, DBMS, Big Data, Blockchain, Cloud Computing, Distributed Systems

Experience

Middle Data Engineer — Nov 2025 – Present
Freedom Insurance (ffins.kz) — *Almaty, Kazakhstan (Hybrid)*

- Design and implement robust data ingestion pipelines and ETL/ELT processes using **Apache Airflow**, streamlining enterprise-wide data flow.
- Optimized critical stored procedures and complex SQL workflows, reducing execution time by **∼78%** (from 9 min to 2 min), significantly accelerating daily financial reporting.
- Architect high-performance **MS SQL Data Warehouses**, utilizing complex T-SQL triggers and functions to ensure data integrity and transformation speed.
- Develop scalable microservices with **FastAPI** and orchestrate containerized environments using **Docker** and **Kubernetes** (K8s) for high availability.
- Implement **OpenMetadata** for data governance and deploy **Grafana/Superset** for system logging and BI analytics.

Middle Data Engineer — Jan 2025 – Nov 2025
Bank CenterCredit (bcc.kz) — *Almaty, Kazakhstan*

- Designed and automated complex ETL/ELT pipelines using **Apache Airflow**, integrating data from **Greenplum**, **PostgreSQL**, and **Oracle** into a unified Data Lake.
- Implemented data normalization, deduplication, and consolidation logic to ensure high Data Quality (DQ) and lineage reliability for analytical services.
- Optimized SQL architectures (Views/Materialized Views) and developed **API Gateways** for microservices, reducing resource consumption for OLTP/OLAP mixes.
- Built real-time integrations with ML/LLM services and visualized metrics using **Power BI** and **QlikSense**.

Junior Database Engineer — Jun 2024 – Jan 2025
Alma Telecommunications Kazakhstan (alma.plus) — *Almaty, Kazakhstan*

- Developed and optimized complex **PL/SQL** procedures to improve database efficiency and execution speed.
- Administered Oracle Databases, ensuring robust data security, integrity, and high availability for telecom services.
- Gathered requirements for Data Warehousing initiatives, aligning technical implementation with business needs.
- Performed root cause analysis on performance bottlenecks, implementing optimizations to reduce query latency.

Junior Data Engineer — Jun 2023 – Dec 2023
The National Bank of Kazakhstan — *Almaty, Kazakhstan*

- Participated in the migration and development of the corporate DWH, focusing on **Vertica** (projections, segmentation) and Oracle PL/SQL optimization.
- Engineered server-side logic and ETL/ELT processes involving CDC, incremental loading, and Data Quality controls.
- Optimized complex SQL queries using window functions and CTEs, enhancing data retrieval speed for reporting.

Skills

Languages:	Python, SQL (T-SQL, PL/SQL, Vertica SQL), Java, Go
Data Engineering:	Apache Airflow, DBT, Kafka, Debezium, Greenplum, ETL/ELT, Data Warehousing
Databases:	Vertica, PostgreSQL, MS SQL, Oracle, Redis, ClickHouse, MinIO, Elasticsearch
Infrastructure:	Docker, Kubernetes, Terraform, GitLab CI/CD, AWS (S3, RDS), GCP (BigQuery)
Analytics & Ops:	Grafana, Prometheus, QlikSense, Power BI, Superset, OpenMetadata

Projects

ConnectIn Diploma Project | *Python, FastAPI, PostgreSQL, Redis, AWS*

- Engineered a scalable backend using **FastAPI** and **PostgreSQL** with **Redis** caching for real-time performance.
- Deployed a serverless ML recommendation engine using **AWS Lambda** and EventBridge.

Big Data Pipeline on GCP | *Terraform, Docker, PySpark, Kafka, BigQuery*

- Architected an IaC data ingestion pipeline on **GCP** using **Terraform** and containerized with **Docker**.
- Integrated **PySpark** for batch processing and **Kafka** for real-time streaming into a unified DWH.