

ZHENIS DUISSEKOV



CONTACT

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QUALIFICATIONS

Golang (3 years), Python (2yrs), NodeJS(3yrs)
ClickHouse, PostgreSQL, MongoDB
Clean Architecture, Design Patterns
Unit tests, Integration tests
Kibana, Prometheus, Grafana, Alertmanager
Postman/Insomnia, Swagger, Swagger-stats
REST, GRPC
Docker/Docker-compose
Microservice/Monolith architectures
Kubernetes, CI/CD

GitHub/Gitlab/Bitbucket
Kafka, RabbitMQ
Jaeger open-telemetry
Agile, Scrum, Kanban
Data parsing, Selenium
English (IELTS 7.5/9.0 @2019)
Kazakh - native
Russian – fluent
Spanish - B1
Turkish - B2

WORK EXPERIENCE

Beeline Kazakhstan
Backend Developer

March 2021 — Present

Currently, I am working on a product that comprises primarily of services written in Golang and NodeJS. The product adheres to micro-service architecture principles, with over 30 services and more than 400 endpoints.

My primary contributions to this product include:

- Introducing open telemetry using Jaeger to critical services, which has greatly improved the maintainability of the product.
- Refactoring a critical system that reduced the wait time from 30 minutes to 1-2 minutes, leading to increased sales.
- Implementing a product monitoring system that gathers, visualizes, and smartly alerts on critical events, which is continuously utilized.
- Integrating ClickHouse and Kafka as a logging system that generates around 1,000,000 logs per day and provides additional analytics tools for the team.
- Installing SonarQube and including services to detect security hotspots and bugs.
- Increasing test coverage by implementing new tests from 32% to 46% of the total 32K lines of code.
- Migrating critical tables with minimal downtime for business purposes.
- Maintaining up-to-date documentation and swagger.
- Creating a monthly payment system service.

Technologies: Golang, NodeJS, Kafka, ClickHouse, PostgreSQL, SonarQube, Jaeger, Redis, Docker, Kubernetes, Gitlab, Rancher, Prometheus, Grafana, Alertmanager, Jira, Miro, Confluence, Loki, Victoria Metrics, Kibana

BAIOL(startup)

co-founder, developer

Oct 2019 — Feb 2021

Our SAAS startup implemented monitoring systems for various sectors such as finance, management, oil/gas, medicine, education, and social services. We provided software customization to maximize customer benefits. Our COVID monitoring product assisted the city mayor in avoiding overwhelming the emergency department with extra work.

- Developed Golang and Python services for automated data scraping from various electronic devices and websites, including Wi-Fi routers and online databases.
- Worked extensively with databases such as MongoDB, Postgres, ClickHouse, and Prometheus.
- Wrote services using Docker and Docker Compose for multiple platforms.
- Delivered 5 independent projects, two of which are still in use.
- Implemented a monitoring system for over 100 servers, 500 workstations, air conditioners (SNMPv2), heat sensors, and Cisco equipment, as well as software licenses. This enabled providing a 1-year service period for a local oil institute.

Technologies: Golang, Python, PostgreSQL, MongoDB, ClickHouse, Prometheus, ELK, Grafana, SNMPv2, CanBus, Selenium, Linux, Windows, RDP

Patentes Talgo S.L.

Nov 2013 — July 2019

Electrical Engineer

- Temporarily served as the chief of base and led a team of approximately 120 workers for 6 months.
- Conducted maintenance and repairs on electrical and electronic equipment onboard a train and programmed PLCs.
- Completed a 3-month training program in Madrid and Barcelona that included onsite work experience as a maintenance engineer.
- Achieved a B1-B2 level proficiency in Spanish through language study and immersion.

EDUCATION

B.Sc. Electrical Engineering

2006 — 2009

University of Southern California, Los Angeles, USA

Wireless Communication, Digital Signal Processing and Image Recognition

GPA 4.6/5.0

MS Electrical Engineering

2011 — 2012

King Abdullah University of Science and Technology (KAUST), Jeddah, Saudi Arabia

Wireless Communication, Digital Signal Processing and Image Recognition

GPA 4.7/5.0

INTERESTS

programming, learning new skills, basketball

REFERENCES

References available upon request.