ADLET DAUTBEK

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Education

Nazarbayev University   **Aug 2023 – June 2027(expected)**
Bachelor of Science in Computer Science   *Astana, Kazakhstan*

Relevant coursework: Linear Algebra, Machine Learning, Artificial Intelligence, Database Systems

Experience

Networks Energy, Software Engineer | *Java, Spring Boot, Hibernate, Kafka, Kubernetes*   **Aug 2025 – Present**
Developer in transport, logistics, and railway automation systems.   *Astana, Kazakhstan*

- **Developed** backend services using **Spring Boot** with **Hibernate/JPA** for persistence.
- **Optimized** railway route planning by applying graph algorithms, reducing computation time by **35%** and enabling faster scheduling.
- **Containerized** and **deployed 4** microservices on **Kubernetes** with **Helm**, reducing setup time from **hours to minutes** and enabling faster feature delivery.
- **Implemented** event-driven pipelines with **Apache Kafka**, processing **100k+** messages daily with fault tolerance. (manual ack + DLQ)
- **Designed** and **optimized** relational schemas in **PostgreSQL**, reducing query latency by **40%** through indexing and normalization.

Achievements

ICPC Kazakhstan Sub-Regional/Northern Eurasian Contest | *C++*   **Dec 2023**
- Won **3rd** Degree diploma in Northern Eurasia Finals
- Placed **top 7** among **64** Central Asia teams

Kazakh Republican Olympiad in Informatics | *C++*   **Mar 2022**
- Won **Silver** Medal
- **Qualified** through all stages to the final round, placing **8th** out of **2000+** applicants (top **0.4%**)

International Zhautykov Olympiad in Informatics | *C++*   **Jan 2022**
- Won **Bronze** Medal
- **Qualified** to the final stage and **represented** the national team, competing among **500+** participants from **15** countries

Projects

Dota 2 Assistant Website | *Python, JavaScript, FastAPI, TypeScript, Gemini 2.5 Pro API*   **GitHub Link**

- **Developed** a web application to help beginner Dota 2 players choose heroes and learn gameplay strategies.
- **Implemented** an interactive chatbot powered by **Gemini 2.5 Pro API** to provide hero-specific tips and pick suggestions.
- **Built** a backend using **FastAPI** for handling chatbot logic and hero data, and a **TypeScript** frontend for dynamic UI rendering.

Leadership / Extracurricular

Nazarbayev University Association for Computing Machinery Student Chapter   **Fall 2023 – Present**
Board Member   *Nazarbayev University*

- **Organized** weekly Coding Competitions within the college as a part of **ICPC** Special Interest Group for **150+** students
- **Created** problem sets for women's Hack Day and CodeW 2024, empowering **100+** female participants and contributing to engagement of women in STEM

Quadrat.KZ   **Apr 2023 – Dec 2023**
Competitive Programming Coach   *Astana, Kazakhstan*

- **Guided 50+** students to master competitive programming concepts, building strong foundations in algorithms and problem-solving
- **Led 2–3** weekly lessons in C++ and Python, focusing on key programming concepts and efficient coding strategies
- **Prepared 100+** practice problems and contests, reinforcing algorithms and data structures through hands-on problem-solving

Technical Skills

Languages: C++, Java, Python, JavaScript, TypeScript, SQL

Frameworks: Spring Boot, Hibernate, PostgreSQL, Kafka, Docker, Kubernetes, Helm, FastAPI