

Education

Kazakhstan	Suleyman Demirel University	2022 – 2026
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- B.Sc. in Computer Science.
- Undergraduate Coursework: Software Engineering/Design; Data Structures/Algorithms; Databases; Computer Networks; Machine Learning; Discrete Mathematics; Probability/Statistics; Linear Algebra.

Professional Certificates

- Amazon Junior Software Developer Professional Certificate, Coursera - 2025
- Spring - Ecosystem and Core, Coursera - 2025

Work Experience

Software Developer Project Lead	Independent Commercial Project	June 2024 - August 2024
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Automation of business processes for a clothing store

- Developed a backend from scratch using **Java 17** and **Spring Boot** for an online clothing shop.
- Implemented core features including product catalog management, continuous product availability checks, and payment processing via the Kaspi API.
- Integrated with the Kaspi API to store and verify products in real time and handle customer payments.
- Ensured robust data flow, error handling, and smooth interaction between backend services.
- **Key technologies: Java 17, Spring Boot, Spring Data JPA, REST API, Maven, Git.**

Backend Developer	Justipay	October 2024 - February 2025
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*Built the backend for an **AI-powered** chat app enabling seamless interaction with a smart assistant.*

- Developed a backend from scratch using **Java 17** and **Spring Boot** for an online clothing shop.
- Developed and maintained a **RESTful API** to enable communication between client applications and the server using Java and Spring Boot.
- Successfully integrated the **Gemini API** to provide intelligent responses based on previous messages and analyze user input in chatbot interactions.
- Worked with a **PostgreSQL** database to store user data and chat history.
- **Key technologies: Java 17, Spring Boot, PostgreSQL, REST API, Gemini API/STT/TTS, WebSocket, Docker, Git.**

Projects

- **CortexChat**
Built a real-time chat application with a scalable backend using **Spring Boot, WebSocket/STOMP, and PostgreSQL**. Implemented **JWT-based authentication**, user presence tracking, and robust error handling. Automated deployment and migrations using **Docker, Flyway, and CI/CD pipelines** on Render. Optimized for low-latency performance with a clean **RESTful API** design.
- **Akinator-LLM**
Designed an intelligent guessing game using rule-based logic and a lightweight **LLM**-inspired decision flow. Implemented a dynamic decision tree algorithm in **Java** using clean OOP principles. Simulated character prediction via yes/no questions with a self-expanding dataset to enhance accuracy over time.

Additional Experience

- Engineered AI-driven backend systems for student engagement platforms, including **face recognition-based attendance tracking**.
- Developed a voice-interactive desktop assistant using **Whisper, Silero, Coqui TTS, and Gemini API**, enabling real-time AI Q/A. Designed with **asyncio**-based modular architecture for smooth interaction and future desktop integration.

Languages and Technologies

- (*proficient*) Java, Spring Boot, SQL, PostgreSQL, Hibernate, Docker, Git
- (*familiar*) Python, Flutter/Dart, Redis, Kafka, Kubernetes, Prometheus, GraphQL, HTML/CSS