

Alen Serikbayev

Backend Developer · Python, Django · Head of Technical Department at Digital Bridge

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WORK EXPERIENCE

Head of Technical Department January 2026 – Present

Digital Bridge

- Scaled the school-monitoring infrastructure from 120 to 350 institutions: carried out comprehensive backend optimization and migrated server hosting to Trans Telecom, keeping the system stable under a tripled load.
- Led the software integration of 50+ Dahua and Hikvision terminals across Kazakhstan, linking the system with the eGov social wallet to automate biometric attendance and meal tracking.
- Manage a cross-functional IT team (frontend, backend, server specialists), personally owning the high-level system architecture and server management.

Backend Developer August 2025 – December 2025

Digital Bridge

- Built and optimized large-scale backend services with Python, Django, Celery, Redis, Docker, and React, including a government dashboard tracking free meals for children from low-income families across 120 schools (45,000 students, 2,000,000+ records).
- Improved system performance and data-processing pipelines, ensuring reliable handling of a high volume of daily records and significantly increasing speed and stability.
- Contributed to a government KPI-management platform for the Ministry of Culture and Information of Kazakhstan: implemented KPI formulas and calculation logic for 200+ employees, processing 100,000+ values for the 2025 reporting period.

Full-Stack Developer April 2024 – August 2025

Kazakhmys

- Led the development of a CRM system from scratch for a network of 30 companies in the power and energy sector, unifying data exchange and processes.
- Maintained the system for 100+ users, processing 10M+ records.
- Introduced Celery, Redis, and Chart.js to improve performance and analytics.

Software Engineer (Internship) April – June 2023

KazMunayGas

- Contributed to a client platform: set up Docker/Docker Compose and PostgreSQL, and built simple APIs.
- Fixed critical Excel-export bugs (tkinter, openpyxl, Masonite).

RESEARCH & ACHIEVEMENTS

Co-author, IEEE Conference Paper – NLP for the Kazakh Language February – June 2024

- Research Assistant at Astana IT University: applied AI methods to the low-resource Kazakh language.

AIIESEC Hackathon by Citix – 1st Place September 2023

- Led a team in a 24-hour hackathon among 200+ participants and delivered the winning solution.
- Presented an MVP information dashboard used weekly by 1,000+ people.

Finalist, ABC Incubation Program for Startups May 2023

- Developed and defended a go-to-market strategy, presenting a detailed financial model.

SKILLS & LANGUAGES

Technical: Python, Django, DRF, Git, SQL, REST API, JavaScript, Java, Docker, RabbitMQ, PostgreSQL, MongoDB, Node.js, Linux, Celery, React, CI/CD

Languages: English – C1 (IELTS Academic 7.0, 2024) · Russian, Kazakh – fluent

EDUCATION

Beijing Institute of Technology, Zhuhai (BIT) September 2026 – June 2028

Master's in Computer Science (in progress) – Zhuhai, China

Astana IT University September 2022 – May 2025

Bachelor of Software Engineering – Astana, Kazakhstan – GPA: 3.5/4.0

Exchange semester at Czech University of Life Sciences Prague (CZU), September 2024 – January 2025 – GPA: 4.0/4.0