

MUSLIM BAYEMIROV

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EDUCATION

Constructor University | *Bachelor of Science in Computer Science* Bremen, Germany
Germany's #1 THE-ranked private international research university September 2022 - June 2025
Relevant Coursework: Introduction to Computer Science, Programming in C and C++, Databases and Web Services, Algorithms and Data Structures, Software Engineering
Thesis: Static Analysis of Unikernel Codebases to Assess Code Quality and Complexity

EXPERIENCE

BMW Group | *Software & Data Science Intern* Munich, Germany
Luxury mobility company behind BMW, MINI, and Rolls-Royce September 2025 - March 2026

- Onboarding to a project migrating local data to **AWS**, **projected to save €100K** and 6 months

QazPost | *Backend Developer Intern* Astana, Kazakhstan
The largest postal operator processing 50M parcels annually in Kazakhstan Summer 2024

- Constructed a RESTful API in **Go** with advanced filtering and full-text search, reducing query time
- Added JWT-based authentication and permission checks, improving API security
- Managed **PostgreSQL** migrations and optimized DB connection pooling, which decreased query latency
- Automated app dev, PostgreSQL management, migrations, backups, and builds via **Makefile**

xmoon.ai | *Software Engineering Intern* Remote
AI-powered crypto trading platform with \$20K assets and 20+ users at launch September 2021 - October 2021

- Developed **Python** Telegram chatbot automating customer onboarding, **serving** 20+ users in the first week
- Programmed a parsing algorithm to extract and manually backtest trading signals for strategy development

PROJECTS

Gourmenta | *Python, FastAPI, SQLite, Next.js, TailwindCSS, TypeScript*
AI-powered tool for restaurant suggestions

- Built custom scraper collecting ~3 GB of data **saving projected €500+** in API costs
- Automated CAPTCHA on 200–300 pages per scrape, **saving** ~5–7.5 minutes and **supporting** 250+ developers
- Delivered Lighthouse 100/98 scores with Next.js + Tailwind CSS, **attracting** 100+ users in week one
- Engineered a Python–SQLite query pipeline **handling** 3K+ restaurant listings with <2s response time

dostapp | *Python, FastAPI, AWS, Next.js, TailwindCSS, TypeScript* <https://www.dostapp.org>
Social dining platform matching strangers for curated weekly dinners in Kazakhstan

- Built and deployed a payment integration in 48 hours leveraging FastAPI + AWS Lambda

TEACHING EXPERIENCE

Bilim-Innovation Lyceum | *Teaching Assistant* Atyrau, Kazakhstan
Network of high schools with 30+ years of international STEM Olympiad winners September 2020 - May 2022

- Mentored 10+ high school students over 2 years, **dedicating** 100+ hours teaching data structures and algorithms
- Organized** 20+ programming challenges and supported early development of students, including an IOI medalist

AWARDS & ACHIEVEMENTS

Selected at largest incubator in Central Asia (top-100/4K+, 1K+ alumni from 20+ countries)
Best Hack for Social Good by BlackRock at ‘JacobsHack 2022’ (30+ teams)
National Gold Medalist in Algorithmic Programming (top-2/200+)
Accepted into the largest competitive programming school in CIS (top-200/2K+)

TECHNICAL SKILLS

Languages: Python, C/C++, Go, Java, SQL, JavaScript, HTML/CSS, TypeScript, PHP
Frameworks: FastAPI, PostgreSQL, Next.js, MongoDB, TailwindCSS, Spring Boot, React
Tools: Git, Linux, AWS, Jira, Firebase