Almas Mirzakhmetov

Senior Backend Engineer

Kazakhstan · open to remote

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PROFILE

Backend-focused engineer with more than ten years of experience in PHP, Python and Node.js, relational and document databases, and Unix systems. Comfortable across the whole server side: schema design, application code, reporting and production performance.

SKILLS

Backend	PHP · Python · Node.js · Java
Databases	PostgreSQL · MongoDB · MySQL · Oracle (SQL, PL/SQL)
Cloud & systems	AWS · Linux / Unix administration · VMware
Web platform	Web performance (Core Web Vitals) · Consent management (GDPR, IAB TCF) · Google Ad Manager · GA4
AI & ML	LLM integration · Prompt engineering · PyTorch · TensorFlow · Keras · Speech recognition and TTS · NLP

EXPERIENCE

Senior Software Engineer

2021 — Present

SQUID App · Remote

News aggregator app. Lead of the web team, with a current focus on AI-driven solutions.

- Develop and maintain the PHP web platform that delivers the news reader to mobile users in multiple countries.
- Build daily reporting on consent rates and traffic quality, including bot filtering, to support product and compliance decisions.
- Profile and improve real-device performance (TTFB, LCP, CLS) on low-end Android phones and in-app browsers.
- Bring LLM tooling into the engineering workflow: automated reporting, real-device testing and release routines.

Research Assistant

2019 — 2021

ISSAI, Nazarbayev University · Astana, Kazakhstan

Institute of Smart Systems and Artificial Intelligence.

- Co-authored four peer-reviewed papers on speech recognition, text-to-speech, epidemic modeling and medical imaging (EACL, INTERSPEECH, IEEE JBHI, IEEE EMBC).
- Developed web-based AI applications, including AI-based diagnostics.

Web Developer

2019

Naimi.kz · Astana, Kazakhstan

Web development for a Kazakhstan services marketplace.

Web Developer

2014 — 2019

Nazarbayev University · Astana, Kazakhstan

- Built and maintained university web applications across the full development cycle.
- Developed and administered Oracle and MySQL databases (SQL, PL/SQL).
- Administered Unix servers; worked with WebSphere and VMware.

Junior Web Developer

2012 — 2013

ABBYY Language Services · Moscow, Russia

Web development for ABBYY's translation and localization business, alongside a master's degree.

EDUCATION

MS, Applied Mathematics

2012 — 2014

National Research Nuclear University MEPhI, Moscow

BS, Applied Mathematics and Informatics

2008 — 2012

Peoples' Friendship University of Russia (RUDN), Moscow

PUBLICATIONS

- A Crowdsourced Open-Source Kazakh Speech Corpus and Initial Speech Recognition Baseline — EACL 2021
- KazakhTTS: An Open-Source Kazakh Text-to-Speech Synthesis Dataset — INTERSPEECH 2021
- A Network-Based Stochastic Epidemic Simulator: Controlling COVID-19 With Region-Specific Policies — IEEE JBHI 2020
- End-to-End Deep Diagnosis of X-ray Images — IEEE EMBC 2020

Details and links: almas.dev/research · Google Scholar

LANGUAGES

Kazakh (native) · Russian (native) · English (fluent)