Almas Mirzakhmetov

Senior Software Engineer

Kazakhstan · open to remote

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PROFILE

Software engineer with more than ten years of building web products end to end, from the database to the interface people use every day. Currently lead the web team at SQUID App, with a focus on AI-driven solutions. Trained in applied mathematics, with published research in applied AI.

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.
- Profile and improve real-device performance (TTFB, LCP, CLS) on low-end Android phones and in-app browsers.
- Integrate advertising, analytics and consent tooling (Google Ad Manager, GA4, IAB TCF) into the reading experience.
- Bring LLM tooling into the engineering workflow: automated reporting, real-device testing and release routines.
- Lead the web team: run two-week sprints from planning through review, and report progress to stakeholders.

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.
- Built front ends with Sencha Ext JS and Vue.js.
- Developed and administered Oracle and MySQL databases (SQL, PL/SQL).

Junior Web Developer

2012 — 2013

ABBYY Language Services · Moscow, Russia

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

SKILLS

Frontend	JavaScript · TypeScript · React · Next.js · Tailwind CSS · Vue.js · React Native
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

PROJECTS

almas.dev — Personal blog on software and AI in English, Russian and Kazakh, built with Astro.

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)