Sherbolot Arbaev

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EDUCATION

Issyk-Kul State University *Sep 2019 - May 2023*
Computer Science | Software Engineering
GPA: 3.58/4.00
Activities: Active student and chairman of the student union
Awards: National Youth Entrepreneurship Cup Enactus Kyrgyzstan 2022 (2nd place out of 20 teams)

WORK EXPERIENCE

WEDEVX *June 2023 - Present*
Software Development Engineer
- Developed robust backend solutions using NestJS, Fastify, Node.js v20, and PostgreSQL.
- Integrated essential services such as AWS Lambda and AWS IAM.
- Implemented quizzes that generated 800+ leads, enhancing CRM data.
- Achieved a 38% performance improvement in the codebase through optimization efforts.
- Incorporated advanced AI features like speech-to-text, image recognition, and AWS S3 integration for Soft Skills AI.
- Enhanced the DevXAI feature to assist students with debugging and exercises.
- Designed and implemented microservices architecture using NestJS microservices and Kafka.js to ensure scalable and maintainable systems.
- Leveraged Large Language Models (LLM) to improve AI-driven features and user interactions.
- Conducted code reviews to ensure best practices and maintain high code quality.
- Utilized AWS and Google Cloud for deploying and managing cloud infrastructure, enhancing application scalability and reliability.
- Employed Docker for containerization, streamlining development workflows and ensuring consistency across environments.

Mancho Devs *Nov 2021 - June 2023*
Frontend Developer
- Developed adaptive and cross-platform websites using React, Next.js, Redux, SCSS, and TypeScript.
- Led optimization strategies, significantly improving website speed and performance.
- Utilized advanced caching techniques to enhance user experience and page load times.
- Conducted thorough code reviews to maintain code quality and foster team learning.

PROJECT EXPERIENCE

Jarvis GPT *Feb 2023 - June 2023*
Full-Stack Developer
- Led the development of Jarvis GPT, leveraging OpenAI's advanced features including text-to-speech, image recognition, multi-language speech-to-text (Whisper), and GPT-4.
- Seamlessly integrated innovative AI functionalities, enhancing user experience and application capabilities.
- Designed the architecture and backend development, optimizing system performance and module communication.
- Implemented a microservices architecture to enable efficient scaling and modular development.
- Deployed and managed cloud infrastructure using AWS and Google Cloud to ensure high availability and performance.
- Utilized Docker for containerization, ensuring a consistent and efficient development environment.

Ortodont Group *Sep 2022 - Jan 2023*
Full-Stack Developer
- Designed and implemented front-end and back-end functionalities using React, Next.js, SCSS, Material UI, TypeScript, Node.js, and GraphQL.
- Created intuitive user interfaces and optimized for SEO.
- Developed and deployed microservices to handle specific application functionalities, improving maintainability and scalability.
- Conducted regular code reviews to ensure adherence to best practices and maintain high code quality.

M/A Trade *May 2022 - Aug 2022*
Frontend Developer
- Built a web application from scratch using React, Chakra UI, and TypeScript.
- Achieved a 98.5% improvement in website speed and performance.
- Integrated a secure payment feature using Stripe.
- Participated in code reviews to ensure code quality and consistency.

SKILLS & INTERESTS

Technologies: JavaScript, TypeScript, Node.js, NestJS, Express, Fastify, MySQL, PostgreSQL, MongoDB, GraphQL, Supabase, Prisma, Git, Docker, React, Next.js, Redux, HTML5, CSS3, Sass, Tailwind CSS, Material UI, Chakra UI, AWS, Google Cloud, Framer Motion, Three.js, Kafka.js, NestJS microservices

AI & Cloud: Large Language Models (LLM), AWS, Google Cloud

Languages:

- English (Fluent)
- Kyrgyz (Native)
- Russian (Native)

Interests:

- Piano: 7 years of formal training
- Skiing: Professional level