

TAIR SAIRANBEKOV

Software Engineer, 3+ years experience

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Summary

Software Engineer with over 3 years of experience specializing in backend development. Worked in an Agile environment, participating in daily Scrum meetings, sprint planning, and other Agile ceremonies. Had the opportunity to work independently as well as in a cross-functional team consisting of a system analyst, product owner, designer, etc. Involved in code reviews and production duties (release management, task monitoring, etc.). Experienced in building cloud-native applications and microservices. Proficient in deploying and maintaining services on cloud platforms and leveraging containerization for scalability. Strong background in system modernization, infrastructure management, and observability tools for monitoring distributed systems. Spend my free time solving algorithmic problems and participating in various contests.

Experience

Tele2 **July 2024 – Present**
Software Engineer *Almaty, Kazakhstan*

- Created Loyalty service which increased MAU of the app by **38%**.
- Reduced /profile API latency by **83%** (from **3s** to **0.5s**) through request batching and parallel execution, enhancing system efficiency and scalability.
- Migrated the Events service from Java to Go and seamlessly integrated it with the Loyalty service, resulting in a **13%** increase in users progressing to the second tier of the loyalty program.
- Initiated a search for the reasons for the increased response time in the stage environment after load tests, which resulted in the optimization of the average response time from **2.5s** to **0.7s**.
- **Technologies utilized:** Go, PostgreSQL, Kafka, Redis, Docker, Kubernetes, Grafana, Prometheus, Git.

Technodom Operator **June 2022 – July 2024**
Software Engineer *Almaty, Kazakhstan*

- Achieved an **8%** increase in conversion from visiting the page to adding the product to the cart by integrating with a search engine.
- Created the front-end part of an application for sellers from scratch, which digitized sales processes of **13** offline shops.
- Developed an order details page with real-time status tracking using the WebSocket protocol.
- Refactored & redesigned **3** pages and released them to production while taking all design criteria into account.
- Covered **28%** of the project with Unit and Snapshot tests.
- Created logic for an anonymous wishlist, which increased the conversion of adding to the wishlist by **48%**.
- Optimized the catalog page down to **1** render from the server, which, due to a data hydration error, made 3 rerenders.
- Integrated ML recommendation system which increased conversion from main page recommendation block to product detail page by **12%**.
- **Technologies utilized:** TypeScript, Next, HTML, CSS, MobX, Go, MongoDB, RabbitMQ, Redis, Docker, Git.

Education

Kazakh-British Technical University **Sep. 2019 – July 2023**
Bachelor's in Computer Science *Almaty, Kazakhstan*

- Major: Computer Science (GPA: 3.67).
- Programming Coursework: Algorithms and Data Structures, Databases, Object-Oriented Programming, Web Dev.

Projects

Google docs | *JavaScript, React, Go, RethinkDB, PostgreSQL* **Jan 2025**

- Implemented collaborative editing using WebSockets and RethinkDB Changefeeds, for instant updates across users.
- Integrated Yjs (CRDT) to merge concurrent document changes and prevent data conflicts.
- Designed and implemented a gRPC-based interaction between backend services.
- Used PostgreSQL for structured document storage and RethinkDB for real-time updates and change tracking.

Typo | *JavaScript, React* **April 2024**

- A Frontend-only application designed to measure users' typing speed and accuracy.
- Built with React with real-time updates as users type.

Technical Skills

Languages: JavaScript, TypeScript, Go, HTML/CSS, SQL

Technologies/Frameworks: React, PostgreSQL, MongoDB, Redis, Kafka, Docker, Kubernetes, Grafana, Prometheus, Git

Other: Algorithms and data structures, Linux, Jira, Agile, Microservices