Alex Tonkonozhenko

Lead Software Engineer

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About Me

Like building complex software products.
Enjoy working with big data and high load.
Fan of DevOps culture and clouds.

Qualifications

- **Data engineering**: Airflow, Python, AWS Athena, Kafka, Redshift, ElasticSearch, SnowFlake, Grafana
- **Web**: Ruby, JavaScript, TypeScript, Rails, PostgreSQL, MySQL, Redis
- **Containerization**: Kubernetes, ECS, Docker
- **Common**: AWS, Terraform, Git, Linux, Bash

Experience

Parimatch Tech

https://parimatch.tech/

Lead Software Engineer

April 2021 — present

Parimatch develops tech and marketing solutions for the global entertainment industry and the Parimatch brand.

Achievements:

- designed and implemented a data processing platform based on Airflow and AWS;
- leadership of 15 people;
- responsibility for the technical solution of the whole data platform.

Technologies: AWS, Airflow, Python, Kubernetes, Terraform.

ManageBac

https://managebac.com

Lead Software Engineer

January 2020 — March 2021

ManageBac is online planning, assessment, and reporting platform for international schools, supporting over 2,600 schools in 120 countries. By providing schools with one unified system on a consistent, modern, and mobile-ready interface, ManageBac offers a seamless & integrated experience for coordinators, teachers, students, and parents.

Achievements:

- introduced the platform for microservices based on AWS and Kubernetes;
- developed and deployed several microservices to the platform;
- designed and implemented deep integration with 3-rd party Chat Provider;
- introduced React and TypeScript for frontend development in addition to jQuery and CoffeeScript;

Technologies: Ruby, Ruby on Rails, JavaScript, TypeScript, Kubernetes.

glomex

https://glomex.com

Lead Software Engineer

December 2017 — December 2019

glomex — content marketplace for content owners and publishers. glomex received the "Gartner Data & Analytics Excellence Award" in the "Best Data Management and Infrastructure" category.

glomex is focused on providing a one-stop solution for everything regarding video publishing — from transcoding a video file into multiple formats, processing of metadata, and providing a nice player for all platforms to monetization.

Achievements:

- implemented the core service that receives all events from our customers;
- implemented a real-time data processing pipeline for analytics;
- implemented billing service based on specifications from the accounting department;
- migrated Python 2 to Python 3, dropped lots of legacy components;
- introduced BI tool Metabase for internal customers;
- implemented health monitoring using Grafana and AWS Cloudwatch;
- implemented DWH based on Snowflake.

Technologies: Python, ElasticSearch, AWS (Lambda, Redshift, Kinesis, etc.), Kafka, K8s, Snowflake, Spark.

Achievements:

- implementing DSL for core search service in the product;
- prepared zero-downtime migration of all existing services from regular server deployment to container-based solution and executed it successfully;
- operated 15 microservices in a team of 5 people;
- in the team, we completely reworked the existing architecture in half a year due to rapid business changes.

Technologies: AWS (EC2, ECS, Cloudformation, Autoscaling, CloudWatch, etc.), Ruby, PostgreSQL, ElasticSearch, Redis

Talkable — Referral Marketing platform that is changing the way companies acquire and retain customers, by quantifying and accelerating the oldest marketing channel ever — word of mouth.

Achievements:

- improved referral campaign debugging and reduced the amount of time needed to set up a new referral campaign;
- developed Talkable Android SDK from scratch.

Technologies: AWS (EC2, S3), Ruby, MySQL, Redis, Android.

Innovecs — outsourcing software development company. In Innovecs I worked on the development of the portal that manages internal resources for the outsourcing software development company.

Achievements:

- unified UI and UX across the product;
- introduced a new UI design for the product;
- improved complex search performance that impacted all the customers;
- significantly reduced SLOC by refactoring big parts of the product.

Technologies: Ruby, Ruby on Rails, JavaScript, PostgreSQL, Redis.

Best-Tao — TaoBao reseller that shipped goods to CIS countries. I modified the existing product, added some features related to TaoBao integration, and fixed performance issues. Also, I developed a partner program that allows users to receive their own turnkey website for selling products from TaoBao as a reseller via Best-Tao.

glomex

https://glomex.com

Senior Software Engineer

January 2017 — December 2017

Talkable

https://talkable.com

Senior Software Engineer

January 2016 — January 2017

Innovecs

Software Engineer

May 2015 — December 2015

Best-Tao

Software Engineer

December 2014 — April 2015

Achievements:

- implemented partner program with integration with Best-Tao;
- fixed complex TaoBao integration bugs.

Technologies: Ruby, Ruby on Rails, JavaScript, PostgreSQL.

NDA
Software Engineer
June 2014 — October 2014

I developed a personal cabinet for a cell operator. Features: payments, history, reports, devices, ticket system.

Achievements:

- Payment provider integration;
- Ticket system integration;
- Reporting.

Technologies: Ruby, Ruby on Rails, JavaScript, PostgreSQL.

3dnear.me
Software Engineer
November 2013 — December 2014

3dnear.me — A 3d-printing community that allows finding people with 3D-printer not far from you.

Achievements:

- Development of the product from scratch;
- Implementing complex search using Apache Solr and Google Maps API;
- Implementing order flow with dispute resolving;
- Integrating with a 3D-model viewer based on three.js

Technologies: Ruby, Ruby on Rails, PostgreSQL, Solr, Redis, jQuery, Google Maps API

Freelance
Junior Software Engineer
July 2013 — October 2013

Worked on various websites, fixed bugs, and added some minor features.

Achievements:

- implemented complex AJAX forms;
- developed reporting;
- integrated with third-party systems.

Technologies: Ruby, Ruby on Rails, PostgreSQL, jQuery.

Education

National Technical University of Ukraine "Kyiv Polytechnic Institute"
B.Eng. Software Engineering

2012 - 2016

A Little More About Me

Alongside my interests in software engineering some of my other interests and hobbies are:

- travelling
- snowboarding
- hiking
- board games

Languages

- English — fluent
- Ukrainian — native