# ALEX PTAKHIN

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## SUMMARY

Strong full-stack and backend developer experience focusing on minding out of job positions for customer happiness. Have experience with designing and supporting highly loaded services and tech-leading up to 4 developers. Consulting for teams to better processes and engineering growth.

## EXPERIENCE

*September 2022 – now*
*N months*

**Senior Python Fullstack Developer, Berlin**

Prestatech – b2b smartlending solutions company.

- Hiring. Work on whole system observability.

*Jul 2020 – May 2022*
*22 months*

**Data Engineer Tech Lead, Moscow**

Admitad is an international company to drive sales and earn online.Headquater office locates in Germany, Heilbronn. Currently, Admitad has offices in seven countries around the globe and over 900 employees.

- Achieved 99.95% reliability SLA goals and further developing for internal Data Warehouse product
- Negotiation and contracting with ClickHouse tech consulting and cloud provider
- Integration testing: minus half an hour of developers handwork per task (-70% time)
- Made HTTP streaming of millions of products from databases with huge gigabyte files
- Managed team of 4 middle developers, their development and hiring

*Apr 2018 – Jul 2020*
*2 years*

**Python Developer/Tech lead**

Nanosemantics.ai is Russia's leading artificial intelligence technology developer. Founded in 2005, it specializes in applied linguistics, internet technologies and quality client service solutions.

- Lead engineer role audience parser startup for Vk.com social network. Managing: 1 developer. Made architecture for horizontal scaled crawling process with Vk.com authorization ~6000 rps from one VDS
- Lead engineer of chatbot IDE backend: architecture and development. Added delivery process Gitlab CI/CD on top of Kubernetes
- Tech lead of markup data service for machine learning. Prototype developing support and new growing design architecture for b2b service
- Developer: various integrations and short-term projects e.g. Turing contest asyncio backend Turing contest with 100 rps on small VPS

*Dec 2014 – Dec 2017*
*3 years*

**Software Developer Engineer**

Yandex is a technology company that builds intelligent products and services powered by machine learning. Yandex, which has 30 offices worldwide, has been listed on the NASDAQ since 2011.

- Developed the regression testing and releasing pipeline for the AB-testing metrics platform. Mades possible regular weekly releases with higher quality (less 3-5 long-debugging bugs in a month)
- Made the storage of the experiment's metrics data and the instrument for analyzing them. The tool reduces experiments time and money costs
- Anomalies detection in time-series service: increased throughput and storage x10 from unsupported cloud stack

*Apr 2013 – Dec 2014*
*~1.5 year*

**Software Developer Engineer**
NIIAS – one of the research institutes of Russian Railway (RZD).

- Developed diagnostic software for displaying system component's state in wireless railway solution. Dumps history and plays it for debugging system problems

## TECHNICAL STRENGTHS

| | |
|---|---|
| Primary stack | Python3, asyncio, aiohttp, aio-libs, pytest/unittest |
| Secondary stack | JavaScript, C++ |
| Deploying | Gitlab CI/CD, Github Actions, Ansible, Azure cloud, Docker, Kubernetes |
| Management | Hiring, growing, Agile processes tuning on sociotechnical system |
| Databases/brokers | PostgreSQL, ClickHouse, Kafka, RabbitMQ, Redis |

## LANGUAGES

English  B2

German  A1

Russian  native

## COMMUNITIES, CERTIFICATES AND OTHER STUFF

- from Dec 2022. My substack wholesystems.substack.com
- Nov 2022. Cloud Academy: Architecting Microsoft Azure Solutions, completed [cert]
- from May 2020. Podlodka Teamlead Crew, community member [www]
- Dec 2020. Negotiations simulator Skillslab, completed [cert]
- Dec 2020. Change Basics Changers school, completed [cert]
- Nov 2020. Become teamlead by Fedor Borshev & Mariana Onysko, co-organizer [cert]
- Sep 2020. Product Mindset Intermediate, completed [cert]

## EDUCATION

*Sep 2009 – Jun 2014,*
*~5 years*

Master's degree of Mechanics-Mathematics Faculty at Moscow State University, Theoretical Mechanics and Robotics