

Yerevan, Armenia

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# Skills

Python OOP, design patterns, asyncio / mp, pytest, data (numpy, scipy), aiohttp/asyncgp/aioredis, pdb, cProfile

net/http, grpc, database/sql, concurrency, sync, pprof

AWS, AWS CDK, MQ - SQS, ActiveMQ, RabbitMQ, Docker, ELK, Bash (awk, ssh), Shell, Bitbucket, Bamboo, SQL, Sentry, Splunk Tech

**Math** statistics, discrete math, probability theory, computational geometry

# Achievements\_\_\_\_\_

# **Projects**

2022 - 2023	Developed an infrastructure framework for new workflow in cloud powered by AWS step functions (Golang)	Align Technology
2020-present	Liner Bot - all-in-one helpful companion for residents with more than 5'000 users (Python, asyncio, web)	own project
2019-2022	Developed algorithms and tools in Python for geometric medical objects quality checks	Align Technology
2017	Developed a quality assurance automation system (Python, bash, Qt)	RFD
2011-2014	Developed algorithms for Atlas software	TOGI

# Mentoring

2020-2023 **Mentor**, Mentoring and reviewing students projects at Algorithms Course (Python) Yandex.Practicum

#### Writing

2015 Patent, Author · Operations control method for reservoir flooding RU2565313C2 2016 Article, Author · Uncertainty Quantification for Development Planning of a Large Field SPE-182008-MS

#### Certificates

2023	Certified in Golang Advanced	Yandex.Practicum
2019	Certified in Python Programming	Python Institute
2017	Python and mathematics for data analysis (MITP)	Coursera

# **Experience**

## Sep. 2018 - Present Align Technology Inc.

Yerevan, Armenia

**Expert Developer** 

- Develop web services, tooling, infrastructure and CI, create a variety of tools to automate processes (Python, GO, AWS)
- Responsible for R&D and leading the geometry quality team for the Invisalign FAB 3D simulator
- · Work in an agile, distributed team with developers (US, Spain, Germany, Canada), and production engineers (Mexico)

#### Sep. 2014 - May. 2018 Rock Flow Dynamics

Moscow, Russia

**Senior SDET** 

- Responsible for QA of tNavigator 3D simulator, building the QA process from scratch
- · Provide HPC testing and GPU-based solution performance testing, as well as training and consulting support worldwide

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#### Nov. 2010 - Jul. 2014 TOGILLC

Tyumen, Russia

#### 3D oil and gas fields modelling engineer

· 3D modeling and petrophysical simulation, including data analysis, history matching, and forecasting.

# Education

2006-2011

#### Tyumen State University, Institute of Math and Computer Science

Tyumen, Russia

M. Sc. Thermal Physics