

# Oleksandr Nesterenko

Senior / Lead Software Engineer

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## ABOUT

I am a multidisciplinary Software Engineer with wide experience in product development for 9+ years on various stack, mostly in web stack. I am a natural leader, who is always pushing boundaries, being extremely curious and understanding person, I am always looking for root causes of problems and help solving it within team.

I speak: Ukrainian — Native, English — C1, Polish — B1/B2.

## WORK EXPERIENCE

### **Current      Preply      Senior Backend Engineer at PaySubs team**

An ed-tech startup. I switched to the team to support it in growing amount of directions to handle.

Achievements:

- Fully lead a company wide project of bringing subscriptions for internal usage
- Made suggestions on improvements of technical debt & resolving old dormant issues.

### **2021 — 2023      Preply      Tech Lead at CRO / Group Classes team**

An ed-tech startup. I was promoted to become a Tech Lead of the team, which then switched direction to a product spike.

Achievements:

- Hired additions to the team, which brought team to one of the best performing one
- Grew the team members, so they became able to handle Tech Lead responsibilities themselves
- Built processes in the team to handle technical discussions and repaying tech debt
- Built product during very early product stages until it got a product market fit

### **2020 — 2021      Preply      Senior Software Engineer at CRO team**

An ed-tech startup. I joined as a second engineer to a new team focusing on conversion rate optimization.

Achievements:

- Developed experiments improving product in lots of ways; mentored of junior team members
- Lead a project of rewriting tutor profile page from Django template to React
- Introduced observability and on-call rotation to the team using Datadog, Graphana

Tooling used: Python3, Django, React, Next.js, Datadog, Graphana, Redshift.

### **2019 — 2020      Digicode      Senior Backend Engineer**

A service company. I was working for clients building payment system for gas stations.

Achievements:

- Implemented some product features with Python and Elixir

### **2017 — 2019      EVO      Software Engineer at Marketplace team**

A leading marketplace in Ukraine. I was in a team building primary product catalog and search: prom.ua.

Achievements:

- Collaborated within big cross-functional team (15+ members) during implementation of features
- Reverse engineered session building algorithm based on PageViews tracking with Scala and Spark
- Pioneer of k8s experiment at the company
- Gave few lectures on Python and Linux during internship program
- Made tiny contribution into helm project in Go: the --atomic operation

Tooling used: Python3, Pyramid, React, GRPC; Docker, k8s, helm; Scala, Spark, PySpark; Go.

## **2016 — 2017   EVO                      Software Engineer at Internal Infrastructure team**

A leading marketplace in Ukraine. I was in a small team building internal tools, also being a de facto lead.

Achievements:

- Started building internal ERP from scratch, built pipelines for its deployment
- Was an informal lead of 3 Junior Engineers

Tooling used: Python3, Flask, React.

## **2014 — 2016   FORCE                      Software Engineer**

A small hardware startup. I was at a role of a Software Engineer, leading most of development.

Achievements:

- Built processes for software development at the company
- With Hardware Engineers, implemented collection of data from a physical device to cloud with data processing
- Implemented and experimented around various pattern recognition algorithms

Tooling used: C, C++ (data collection and analysis, desktop app, kernel module to connect to device); Java, later Kotlin (Android App); Python with Flask (server to collect data); Google Cloud Platform.

# **EDUCATION**

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## **2020 — 2022   unfinished Computer Science PhD. National Aviation University**

Topic of Research: Bitwise-Logarithmic numbers representation system

## **2018 — 2020   Master of Computer Science                      National Aviation University**

Thesis topic: Task management system with elements of Artificial Intelligence

## **2013 — 2018   Bachelor of Informatics                      Taras Shevchenko National University of Kyiv**

Thesis topic: Task management system for internal infrastructure department

# **OTHER ACTIVITIES**

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## **2015 — 2018   Volunteer                      GDG Kyiv-Center**

It is a group of developers, supporting learning about Google technologies

My contribution:

- Primary organizer of IoT Hack 2018 — a hackathon with Internet of Things as primary topic
- HelpTeam/OrgTeam at Google I/O Extended 2015, 2017
- HelpTeam at several Women TechMakers events and GDG Kyiv-Center events, including Android and Web topics

## **2019                      Contributor                      <https://github.com/bleakgrey/tootle/>**

A Mastodon client, focused for elementaryOS implemented in Vala. I made few contributions to fix bugs & improve user experience. Also, made an attempt to fork a project after maintainer switched its direction to become more Gnome oriented.

## **2016-2018                      Mentor                      IT KPI Community**

IT KPI is an IT community based on Kyiv Polytechnic Institute named after Igor Sikorsky. I was mentoring some community members in Python and overall software engineering development.