

# Tim Koval

+7 707 823 92 66 | [timkoval00@gmail.com](mailto:timkoval00@gmail.com) | [linkedin.com/in/timkoval](https://linkedin.com/in/timkoval) | [github.com/timkoval](https://github.com/timkoval)

## EXPERIENCE

---

### Software Engineer (Rust/Python)

July 2022 – Present

*KoronaPay Europe Ltd*

*Almaty, Kazakhstan*

- Developed Anti-fraud analytics platform and services that are widely used by thousands of customers everyday as a part of an International Fintech Corporation's ecosystem
- Implemented 10+ internal analytics tools and libraries using a combination of Python and Rust to provide a union of usability and high performance
- Advocated modern technologies and development tools along the company and it's developers. Participated in public events as a company's representative and tech speaker
- Contributed complex ETL pipelines for hundreds of thousands of daily transactions data
- Setup and maintained no-ops pipelines for in-house infrastructure with Kubernetes for the analytics platform and it's tools to provide continuous features delivery

### Python/Rust Software Engineer

December 2020 – May 2022

*Komplizierte Technologien, GmbH*

*Remote*

- Built a solution that uses GPU Parallel computing to optimize classic Decision Tree models performance that decreased cloud services costs 10+ times by reducing inference time 500+ times
- Developed automation web app for estate development company that made logistics clearer with 10% and 20% decrease of construction costs and time estimates respectively

### Python/Rust Software Developer

February 2019 – November 2020

*UBIC Technologies Ltd.*

*Remote*

- Developed a data exchange platform for Fintech companies and Banks used to securely share ML decisions between multiple parties in real-time, handling 10000+ distributed requests
- Built a framework for secure computations in Rust that made data exchange 10+ times faster and integrated it with Python services
- Automated releases with Docker and Gitlab CI those allowed to schedule releases every week for rapid delivery of new features

### Research and Development Engineer

February 2017 – January 2019

*Global Protection Almaty Ltd.*

*Almaty, Kazakhstan*

- Built a hardware platform (hub) to connect various security and CCTV systems to company's web platform that is being used by 100+ industrial and private partners every day
- Implemented a web platform to integrate multiple security devices into a joined ecosystem and control all the devices using automation scenarios

## PROJECTS

---

### Aquapoint | *Python, FastAPI, InfluxDB, Grafana, Docker*

March 2023 – Present

- Developed an IoT platform and web application that joins 100+ water purifiers and collects their data to help users control their water consumption and allow providers to service the devices on time

### NeuroGarden | *Obsidian, Git, JavaScript, 11ty*

January 2021 – Present

- Adopted Digital Garden approach to store and share my ideas and thoughts (mostly in engineering and near fields) continuously and help me to keep all the information up to date while sharing and collaborating about knowledge, ideas and experience with others

## EDUCATION

---

### International IT University

Almaty, Kazakhstan

*BSE, Computer Science and Software Engineering*

*June 2021*

## TECHNICAL SKILLS

---

**Languages:** Python, Rust, C/C++, SQL (Postgres), JavaScript, HTML/CSS

**Frameworks:** FastAPI, Axum, Flask, AioHTTP, Django, Tokio

**Developer Tools:** Git, DevOps (NoOps, Kubernetes, Nginx, CI/CD etc.), Cloud Platforms (GCP, AWS), Visualization (Grafana, ELK etc.)

**General:** System Design, Technical Leadership, Team Management, Process Automation