

Roman Infianskas

Software Engineer | Backend Developer | Python Developer

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WORK EXPERIENCE

- **Aiven** *Open-Source-Powered Databases as a Service* Helsinki, Finland
Software Engineer (Python, asyncio, pytest, FastAPI, PostgreSQL, AWS, Azure, GCP) Mar 2020 – Mar 2024
 - **Cloud Region Automation:** Automated the introduction of new cloud regions and introduced 15 cloud regions, improving service plan availability and cost efficiency.
 - **Cloud Provider Support:** As the feature lead, I introduced cost-effective VM instance types for AWS, Azure, and GCP, which laid the groundwork for a 50% price-performance upgrade across specific service plans; implemented AWS CloudWatch metrics integration; contributed to a new OEM partner support Exoscale.
 - **Billing Groups:** Introduced database-level billing group management, exposed via API endpoints and internal tools, enabling consolidation of multiple services onto a single invoice to attract enterprise customers.
 - **Open Source Python Client:** Maintained an open-source Python client for Aiven by introducing support for new Aiven features, improving CI, and adding full type annotation.
- **NetworkOptix** *Enterprise Video Operating System* Moscow, Russia
Software Engineer (Python, pytest, C++, OpenCV, OpenVINO) Jan 2019 – Feb 2020
 - **Test Automation:** Developed functional and integration tests for Video Operating System, reducing manual testing and speeding up release cycles.
 - **Video Analytics Plugin:** Developed a plugin for person detection and tracking running on CPU, allowing customers with budget hardware to use video analytics.
- **KamaGames** *Game Development Studio* Moscow, Russia
Software Engineer (Python, Telegram API, Jira, PostgreSQL, MongoDB) Mar 2018 – Dec 2018
 - **Telegram Bots:** Built Telegram bots for Jira management, Telegram group administration, and cryptocurrency analysis, integrating familiar interfaces into daily tasks.
- **Tenso-M** *Weight Measuring Company* Moscow, Russia
Software Engineer (Python, Salt, openSUSE, Docker, PostgreSQL, Mercurial, Redmine) Jul 2013 – Mar 2016
 - **Weigh-in-motion Systems:** Created a pipeline for GNU/Linux distribution for weigh-in-motion systems, enabling bare-metal deployment under 20 minutes, and remotely maintained them.

OPEN SOURCE CONTRIBUTIONS AND VOLUNTEERING

- **Omdena** *Enhancing Regulatory Decision-Making with LLMs and RAG* Helsinki, Finland
Machine Learning Engineer (Python, Scrapy, Transformers, LLM, RAG) Oct 2024 – Present
 - **Data Collection:** Scrape acts from governmental websites, convert them into markdown format, and categorize them to filter out those related specifically to the tea industry.
- **Fedora Project**
Maintainer (RPM, Fedora, Python) Nov 2021 – Present
 - **Packaging and maintenance:** Packaged 17 and maintain 50 RPM packages for Fedora.
- **ConceptNet Lite**
Creator (Python, SQLite, lmbd, peewee) Aug 2019 – Nov 2019
 - **Idea, implementation, and maintenance:** Created an SQLite-based ConceptNet wrapper for NLP scientists.
- **Open Source Projects**
Contributor (Python, Go, C++, SQLite, asyncio, Qt, pytest, shell) Apr 2013 – Present
 - **PRs and issues:** Contributed to open-source projects on GitHub, including gcosts, KDE, and Sentry for Python.

EDUCATION

- **Bauman Moscow State Technical University** Moscow, Russia
Bachelor of Science in Software Engineering; GPA: 3.83 Sep 2011 – Jun 2015
 - **Publication:** "Filesystem for remote administration via SaltStack", Youth Scientific and Technical Bulletin, 2015.

LANGUAGES

- **English:** Full professional proficiency
- **Russian:** Native
- **Lithuanian:** Bilingual proficiency