

Ines Wieczorek

(they/them)

Senior Backend Engineer

📍 Wrocław, Poland

📞 +48 693 029 429

✉ ines@ines.website

🌐 [ineslw](https://www.ineslw.com)

Decade-plus-experienced backend engineer, software architect, team & tech lead with a passion and expertise in Rust and Python. Fascinated by advances in programming language design and code development practices. Musician.

Professional Experience

Clearcode Aug 2018 - Present

🔗 <https://clearcode.cc/>

Senior Backend Engineer & Software Architect for a Polish adtech-specialized software house.

Responsibilities & Projects

- Design & development of new code and architecture
- Development & maintenance of automated tests and testing practices
- Profiling & performance analysis
- Quality assurance
- Project management
- Tech point of contact for clients
- Project scoping, planning, and management
- Starting and leading the Rust adoption initiative at the company, resulting in 3+ long-term, successful commercial projects

Technologies

- Python (Django, FastAPI, SQLAlchemy, Pyramid, Flask)
- AWS
- OpenRTB providers (Xandr, Adform, CM360, DV360, The Trade Desk)
- GIS
- Rust (Actix-web, Rocket)
- Go
- C
- Kafka
- Redis
- Snowflake Data Cloud

Opera Software Mar 2017 - Jun 2018

🔗 <https://www.opera.com/>

Tech Lead, hired to lead and train a backend server team supporting the mobile division.

Responsibilities & Projects

- Tech/Team Lead for **Opera Cricket** backend serving RT latency-critical data to millions of concurrent users, solving challenges with caching and consistency across dozens of geodistributed servers.
 - Coordinating work with the mobile team and external contractors and providers
 - Training and onboarding mentees
 - Onboarding & training a newly-formed team of mentees and new hires
 - Project management
 - Ground-up design and architecture, development, deployment, orchestration, and monitoring of a complex backend system
- Senior Engineer on supporting infrastructure for **Opera News** collecting, categorizing, and enriching content for a personalized live algorithmic newsfeed.
 - Design & architecture of the backend
 - Design & implementation of a domain-specific embedded scripting language
 - Development, testing, maintenance, deployment

Technologies

- Python (Sanic, Django)
- Fastly Varnish Cache/CDN
- OpenStack, Ansible, Puppet
- Apache Spark, Solr, Cassandra, PostgreSQL
- Redis, Memcached

Artefakt Aug 2014 - Feb 2017

🔗 <https://www.artefakt.pl/>

Contractor and later full-time software engineer for a Wrocław-headquartered Polish SEO/SEM agency and 2014 Forbes Diamond recipient.

Aug 2014 - Sep 2014
Contractor

May 2015 - Jun 2016

Junior SEO/Tech Backend Specialist

Jun 2016 - Feb 2017

Software Developer/Admin

Responsibilities & Projects

Database, ERP, and CRM administration, development, and maintenance

- Development of internal tooling backends & frontends. Lead designer and developer on a highly concurrent distributed monitoring service. In-house webtool microframework and webtools for sales team.
- Linux server administration

Technologies

- PHP (Zend, CodeIgniter, Laravel)
- Python (Flask, Django, Twisted Tornado)
- HTML + CSS + JS

About Me

Languages

Polish

Native

English

Bilingual (fluent)

Skills

- Test Automation using various approaches and tools
- Rust
- Python
- C
- Lua
- Django
- PostgreSQL
- BI
- GitHub Actions, GitLab CI, Bitbucket Pipelines
- PLTDI / DSL design & implementation
- Constraint- and property-based testing and programming

Interests

- Programming language design & implementation
- Declarative and logic programming, theorem provers
- SAT/SMT solvers, program synthesis
- CLI-first workflow & tooling optimization
- Music production & composition, jazz, electric bass
- Crocheting
- Biohacking
- OSINT

Volunteering

Fourth Strike Records

Dec 2020 - Present

<https://fourth-strike.com/>

Technical and organizational admin and musician for a fully independent, queer-run non-profit record label.

Dec 2020 - Present

Musician

Aug 2022 - Present

Admin Staff

Responsibilities & Projects

- Administration and automation of systems for publishing, order fulfillment, financial management
- Statistics and data analysis, cost optimization
- Administration of IT assets, security policies
- Community management
- Website design and management
- Visual and video asset creation
- Lead on organization, production, publishing on multiple albums
- Lead organizer on COYOTE WALL X THE GARAGES @ DESERT BUS 2022 charity show

Technologies

- Python
- Django
- HTML + JS + (S)CSS
- Rust

proglangdesign.net

Apr 2019 - Present

<https://proglangdesign.net/>

Community admin and technical support for the largest (100k+ members) online community dedicated to programming language design, theory, and development.

Responsibilities & Projects

- Community management, outreach, and moderation
- Development, deployment, and hosting of supporting infrastructure, management tools, bots, and automation for the Programming Language Design Discord server
- Web design
- Programming language development

Technologies

- Python
- Rust
- Discord.py
- HTML + JS + (S)CSS

Adam Mickiewicz High School No III

Sep 2012 - Jun 2015

Math/compsci class of 2012

Student council president, co-organizer of the OPPL Wybryk pan-Polish student song festival, student radio technical admin.