

Paweł Sacawa

Frontend/Backend Web Developer

Email: pawelsacawa@gmail.com • Telephone: +48 888 542 795 • Github:
github.com/psacawa • Private Gitlab: <https://gitlab.sacawa.net>

Technologies/Skills

- **Python**
 - Strong understanding of standard library including **asyncio** and of PyPI ecosystem
 - Deep knowledge of **Django**, **Django REST Framework** web framework: read the majority of their source code
 - **Natural language processing** with **spacy** and transformers (**Hugging Face**)
 - Other major libraries: **asyncio**, **pytest**, **mypy**, **boto3**, **scrapy**
- **Javascript (browser/nodejs), Typescript**
 - Primarily focussed on frontend development in **React** with **Typescript**
 - Other major libraries: **material-ui**, **expressjs**, **webpack**, **jest**, **redux**
 - Test frameworks; **jest**, **cypress**
- **SQL**
 - Advanced **PostgreSQL**, intermediate **SQLite**
 - PostgreSQL query optimization, database administration, including logical replication
- **AWS Cloud**
 - Major services: **EC2**, **RDS**, **Elasticache**, **S3**, **Cloudfront**, **ELB**, **IAM**, **EKS**, **SES**, **Route53**
- **Containers**
 - Strong knowledge of **docker**
 - **Kubernetes** in production via **Elastic Kubernetes Service**
- **Other Technologies**
 - HTML5, CSS
 - Strong knowledge of Linux userspace
 - Strong **POSIX shell** (zsh/bash)
 - Strong **git**, **Github Actions**
 - Intermediate **nginx** HTTP server
 - Intermediate **Redis**
- **Additional Details**
 - Recreational coder and **Linux** hobbyist since 2014

Projects

- **LexQuest** www.lex.quest
 - **source code available to review at** <https://gitlab.sacawa.net/psacawa/lektprojekt> (username: **cv**, password: **demopass**)
 - Typescript React frontend with Django REST backend supported by Postgres database and Redis application cache
 - Search implemented directly in Postgres SQL
 - Machine learning used to build dataset providing value proposition
 - RESTful authentication
 - Built in the AWS cloud: EC2, EKS, RDS, ALB, Cloudfront, Polly
 - Implemented integration with credit card payment processor Stripe

Education

2010-2014 **Bachelor of Science** *Mathematics/Computer Science specialization*
University of Toronto, Faculty of Arts and Science

2015-2016 **Masters of Science in Mathematics** *University of Toronto, Department of Mathematics*

Thesis Title: *Morse Theory on Stratified Riemannian Manifolds*

2020-2021 **Web Developer** - *LexQuest*

Produced frontend/backend of LexQuest, including django REST API backend, reactjs frontend

Built on AWS Services: EKS, RDS, ELasticache, ELB, SES, SNS, Cloudfront

Integrations with credit card payment processor Stripe, Google Third-party auth

Designed Relational database schema and wrote scripts to extract data from external sources, transform it to obtain business data, and load it into PostgreSQL RDS

Open Source Contributions

- **pre-commit** github.com/pre-commit/pre-commit Implemented post-merge hooks
- **pgcli** github.com/dbcli/pgcli
- **litecli** <https://github.com/dbcli/litecli>

Miscellaneous

- Languages: Polish, English
- Citizen of Poland, Canada
- Toronto Maple Leafs fan :(