

# Dovydas Gulbinas

[dovydas.gulbinas@protonmail.com](mailto:dovydas.gulbinas@protonmail.com) ▪ +4552746651 ▪ [GitHub](#) ▪ [LinkedIn](#)  
Lithuania, Vilnius (from 28th of June)

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A back-end specialized programmer with DevOps tendencies. Looking for a position back at my home country Lithuania. Currently located at Copenhagen(Denmark) but getting back to Vilnius(Lithuania) by the end of June 2020.

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## EXPERIENCE

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### Back-end Developer - Risika A/S (Sep 2019 - July 2020, Copenhagen):

Worked in a fintech startup specializing in large quantities of data. Helped out with streamlining some essential parts of data pipeline and deployment:

- Redesigned and implemented company's search engine functionality and end-points (Falcon, PostgreSQL).
- Automated parts of deployment & testing process (Docker, DroneCI).

### Back-end Engineer - Moment Credit (Apr 2017 - Sep 2019, Vilnius):

Made & deployed multiple applications using (Django/Django Rest frameworks, unittest, Oracle SQL). My notable contributions were:

- Designed & built and automated passport/ID scanner & text recognizer (Django). It saved hours of manual work in our company since prior to this project all passport/ID entries were done manually. The challenging part was to learn Computer Vision/OpenCV4 fundamentals in less than 1 week. Additionally I had to learn text recognition (Tesseract) in only a couple of days.
- Initiated & built a system for controlling/limiting access to sensitive web portals (Django). This project required me to learn and understand multiple new things in depth (OpenLDAP, client-side/server-side x509 certificates and their creation). In order to consolidate my knowledge and learn better I even wrote a [blog post](#) about it in my free time. Additionally I had to deploy this project (on multiple machines) so I spent a few days learning [Fabric 1.X framework](#).

### Odoo Framework ERP Developer - Digitouch (Oct 2016 - Apr 2017, Vilnius):

Wrote custom Enterprise Resource Planning(ERP) modules used for accounting & other business operations. Most impactful project:

- A module (Odoo framework) that would crunch large number of invoices and compute a summary that was later submitted to our local tax authority. This project proved to be extremely lucrative because it was sold to multiple clients & it saved more than 4 hours of accountant's labor time every month. The most challenging part was to optimise the module to run with large number of invoices.

### Back-end Engineer - IT Girnos (Apr 2016 - Oct 2016, Vilnius):

Wrote and designed multiple API endpoints (Flask). Had a few front-end related tasks (Angular JS). Utmost project:

- Web to Short Message Service SMS application (Flask). The most challenging part was to self-teach and implement SMS (SMPP 1.4) protocol since SMS was sent directly through the mobile operator's infrastructure. I have managed build a proof of concept in only around 1 week.

### Hardware Tooling Suite Engineer - WiliBox (Sep 2015 - Feb 2016, Vilnius):

Built various tooling in Python for WiFi Router board calibrations. Wrote multiple GUI testing tools using (Tkinter, Numpy). Took initiative & integrated few tools for remote access and control in our company's testing laboratory.

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## TECHNICAL EXPERIENCE

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### Programming Languages

- **Python:** The language I have most experience with. I always strive to write code that is: clean, readable & unit tested. I am constantly learning new things that each version of Python delivers: type annotations, generators, itertools, async/await functionality etc. To keep myself up to speed I enjoy listening to: [Podcast.init](#) & [Talk Python To Me](#) podcasts while commuting.
- **SQL:** The second most used language currently (due to specifics of my current work). Currently I am mostly using PostgreSQL the relatively new JSON support for it is really nice.
- **Bash:** Third most often used language in my daily career since I had to do deployment on my own. I try to stick to command line tools thus bash is a must. For this I have wrote my own config [installer/manager](#)
- **JavaScript:** A language I started using and learning about more & more. I have wrote several JS bookmark applets. For front-end my favorite framework is **vue.js** also **React.js** and **Angular.js** are nice.
- Other knowledge of **Git & GitFlow, Java, PHP, C/C++**

### Projects

- [Bandcamp MusicBrainz Tool \(Project\)](#): A basic tool for making MusicBrainz entries easier.
- [Decluterfy for Spotify](#): Machine learning tool that is used for sorting large music playlists on Spotify platform.

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## OTHER TECHNICAL EXPERIENCE

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- **Docker:** Proficient. Wrote multiple “production-ready” containers for: OpenLDAP, Kerberos, LAMP stack and others
  - **Apache & NGINX:** Proficient. Configured multiple web servers and reverse proxies for various projects additionally used NGINX as a load balancer in round-robin fashion.
  - **Linux:** Competent. I know how to manage services using **systemd** wrote multiple services and timers for it. Basic knowledge of Linux networking & **iptables** utility.
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## EDUCATION

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2013-2017                      **Bachelor's, In Modern Technology Physics** | Vilnius University, Vilnius

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## OTHER SKILLS & HOBBIES

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- Servers and home automation
- Electronics & Hardware
- Languages: English (CEFR C1), Lithuanian