

# Dovydas Gulbinas

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## EXPERIENCE

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### **Back-end Engineer** — *Auriga Baltics (July 2020 — present):*

Worked on two different projects inside the company, medical equipment and Fintech:

- (present from July 2021 - present) Digital banking as a service project (Jython, Java)
  - Initiated and developed testing environment for running Python unittest module inside Java runtime.
  - Lead and built two-ended integration between CSI and Lightico for digital PDF document signatures.
  - Lead and implemented document verification using Socure's DocV.
  - Directed continuous integration using GitLab's CI and OpenShift clusters.
  - Initiated and directed multiple code quality improvements in the project.
  - Was promoted to team-lead and was financially incentivized three times.
- (previous) Hardware state simulation for kidney dialysis machines ([CANape](#), CPython, ASAP2, Jenkins, C++)
  - Improved our C++ code parser written in Python, for generating a2l tags in the source code.
  - Designed and built a monitoring tool for relevant linked variable metrics and monitoring.

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

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

- Redesigned and implemented company's search engine functionality and end-points (PyPy, Falcon, PostgreSQL).
- Automated parts of deployment & testing process (Docker, Drone CI).
- Refactored company's API code base to use JSON schema for payload validation.

### **Back-end Developer** — *Moment Credit (Apr 2017 – Sep 2019):*

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

- Designed and built and automated passport/ID scanner & text recognizer (Django, OpenCV). 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 and OpenCV4 fundamentals in less than 1 week.
- Built and designed a system for controlling/limiting access to sensitive web portals (Django, Open LDAP, x509, Fabric v1).

### **Odoo Framework ERP Developer** — *Digitouch (Oct 2016 – Apr 2017, Vilnius):*

Wrote custom Enterprise Resource Planning **ERP** modules used for accounting. Most impactful project:

- Odoo framework module which processed large number of invoices and computed a summary that was later submitted to our local tax authority. This project proved to be lucrative because it saved more than 4 hours of accountant's labor.

### **Back-end Developer** — *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.

### **Hardware Tooling Suite Engineer** — *WiliBox(temp position) (Sep 2015 – Feb 2016, Vilnius):*

- Wrote tooling in Python for Wi-Fi router board calibration (CPython, Tkinter).

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## TECHNICAL EXPERIENCE

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### **Programming Languages**

- **Python:** The language of expertise. I have worked with CPython, PyPy and Jython.
- **Bash:** Second most used language in my daily work.
- **JavaScript:** Worked with Angular and Vue, Node.js and Playwright(TypeScript)
- **Other:** Git, Java, PHP, SQL, C++, CSS.

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## OTHER TECHNICAL EXPERIENCE

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- **Docker:** Proficient. Wrote multiple “production-ready” containers for: Open LDAP, Kerberos, LAMP stack and others
- **Ansible:** Proficient. Created multiple scripts for server deployments
- **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.
- **Technical Documentation Creation:** Wrote API documentation for Risika.com. I have my own blog
- **Parametric 3D modeling OpenScad, FreeCAD**
- **Static Site Generators:** Lektor, Jekyll, Blogit.

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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