

# Saulius Žemaitaitis – CV

## Personal information

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## Work experience

2023-06 - 2023-08 **Senior Software Engineer (Contract) at Perthera AI**

[perthera.com](https://perthera.com)

I joined the project as a backend software engineer. My main focus was contributing to the system for two-way sync between legacy systems and a new patient data management platform.

Technologies used: Typescript, Aurora (PostgreSQL), NestJS, GraphQL, Docker

2022-11 - 2023-05 **Senior Software Engineer at Adroit, Signal.VIN project**

[signal.vin](https://signal.vin)

As a senior backend software engineer I contributed to a Django-based backend for Signal.VIN. Some notable projects:

- Pre-filling PDF forms with data to be submitted to state authorities
- Collaborated on introducing automated testing to a large Django codebase with multiple services
- Worked on audit-logging of user actions

Technologies used: Python, PostgreSQL, Elasticsearch, Django, Celery, Docker, Kubernetes

2019-01 – 2022-05 **Senior software engineer at Convous**

[convous.com](https://convous.com)

Working as a senior backend software engineer in partner dashboard team, focusing on backend development and infrastructure.

Notable projects and responsibilities:

- Migrated infrastructure to a new AWS account using Docker, AWS ECS and RDS.
- Working on the partner dashboard team as a backend developer, focusing on areas of pricing, availability management, CRM and data imports/exports.
- Partially responsible for managing infrastructure on AWS
- Helped in hiring first company QA engineer: created a homework assignment, screened and interviewed candidates, reviewed homework submissions

Technologies used: Python, Typescript, PostgreSQL, MongoDB, GraphQL, Docker, AWS

2016-03 – 2018-12 **Senior software engineer at POV**

[pov.lt](http://pov.lt)

Worked as a senior software engineer and tech lead for a small team on consulting projects.

Projects:

1. **2018-04 – 2018-12** - Helped a client build an ICO platform using NodeJS, React (NextJS), and Kubernetes. Main responsibilities were NodeJS backend development, Docker development environment and deployments using Kubernetes and Helm on GCP. Also used PostgreSQL, RabbitMQ and Mocha (automated tests).
2. **2016-07 – 2018-04** - Worked with clients in Scandinavian construction industry to build a company tax compliance monitoring service using a custom data storage system for handling personal data. Served as a tech lead in the project. Later moved to help build common developer infrastructure and platform for their internal ecosystem. Helped build out CI/CD pipeline later used by other teams and projects on the client's platform using Gitlab-CI, Docker and Kubernetes. Tech stack: Python, React, Docker, Kubernetes.
3. **2016-03 – 2016-07** - Helped one of the largest London hedge funds to port their legacy systems from .NET to well-tested Python. Worked with MS SQL Server, Kafka, Pyramid, SQLAlchemy, pandas and py.test

2015-05 – 2016-02 **Freelance software engineer**

Specializing in performant and well-tested web applications using Django and ReactJS.

Projects:

1. manoseimas.lt – Lithuanian parliament data aggregation platform. Extended data acquisition platform (built with Scrapy) to include additional data sources, implemented a new hybrid ReactJS-based UI, worked on migrating the Django app from CouchDB to MySQL.
2. imeetyou.at – a platform that connects people through events. Built a Django web app on top of Postgres and Celery with strong focus on automated tests and performance. Used ReactJS and webpack for front-end. Set up deployment and continuous integration using Puppet, Fabric and Jenkins.

2013-05 – 2014-07 **Software engineer – infrastructure at Uber**

[uber.com](http://uber.com)

Worked on data processing tools using Amazon Elastic MapReduce, log collection and aggregation using Apache Kafka as well as extending Phabricator to work with internal services and company processes. Handled on-call and operations duties for a wide variety of services written in Python (Pyramid, Flask) and NodeJS running on bare-metal infrastructure managed with Puppet.

Main technologies used: Python, Puppet, NodeJS, PHP, Kafka, Redis, Amazon EMR, PostgreSQL.

- 2013-04 – 2013-05 **Software engineer (contract) at POV**  
[pov.lt](http://pov.lt)  
Short-term maintenance contract for a Django-based information system. Worked directly with the client. Improved project's test suite reliability, worked on minor features and fought with Django class-based views.  
Main technologies used: Python, Django, PostgreSQL, Javascript.
- 2012-08 – 2013-03 **Software engineer at UAB Nous**  
[nous.lt](http://nous.lt)  
Worked both on company's own products – **BusyFlow** and **Ututi** – as well as on client contracts.  
Main projects:  
  1. [msckruizai.lt](http://msckruizai.lt) – Django-based cruise booking site built on top of Postgres and Celery. Worked mainly on localization and payments.
  2. [ututi.com](http://ututi.com) – Pylons-based course-material centered university social network. Worked on enabling private deployments and adapting it for a client's needs, performed general maintenance work.
  3. Android application for BusyFlow – cloud tool integration app. Worked on data sync and UI portions of the app while building it from scratch.
  4. [bribespot.com](http://bribespot.com) – Django-based corruption reporting platform. Built a performant geo-clustering solution with temporal filtering on top of Redis, helped build site's admin functionality.  
Main technologies used: Python, Django, Javascript, Android, Postgres, Redis
- 2010-09 – 2012-08 **Software engineer – testing at UAB Viltechmeda**  
[aitecs.com](http://aitecs.com)  
Responsibilities:  
  1. Formal and informal software testing
  2. In-house tool development for testing and automation
  3. Medical device monitoring application development  
Worked on testing the syringe infusion and pumps, accompanying software applications.  
Main technologies used: C++, Qt, Python.
- 2009-04 – 2010-09 **Software engineer at Kaunas University of Technology, Electronic Engineering department**  
Worked in a team of electronics and software engineers building custom networked sensors and control devices for companies in various industries.  
Responsible for PC software development.  
Main technologies used: C++, Qt, Python, PyQt.

## Education

- 2010 – 2012 **Vilnius University**  
Software Engineering, BSc (discontinued studies)

- 2007 – 2009 **Kaunas University of Technology**  
Applied Mathematics, BSc (discontinued studies)
- 2003 – 2007 **Kaunas university of technology gymnasium**  
High-school

## **Skills and competences**

- Native language    Lithuanian
- Languages    English (Full professional proficiency)  
                  German (Basic)  
                  Spanish (Basic)
- Computer skills    Programming languages: Python, Typescript, Javascript, C/C++, Java (Android), Rust  
                         Technologies and methodologies: Test-driven development, End-to-End automated  
                         testing, Postgresql, MySQL, Kafka, RabbitMQ, Git, Docker, Kubernetes, Helm, AWS