

Martin Svoboda

London based software engineer



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WORK EXPERIENCE

Freelance, London

2021 - NOW

Helping clients around the world to build maintainable, scalable and extensible applications. Software I have developed helps governments, large telcos, doctors and patients. I enjoy discovering new industries and problems and figuring out how to apply technology to help my clients. Over the years I have also co-founded 2 startups, both of which failed.

Example clients:

- **Shell.com** Building data pipelines for UK energy market. **Python, Pandas, SQL, FastAPI, GPC, Kubernetes**
- **OpenSignal.com**, Custom data visualization portal. **Python, SQL, VueJS, Kafka**
- **Elsewhen.com**, Demographic data platform for WPP. **React, TypeScript, Kubernetes, Python, FastAPI**
- **Numan.com**, Integrating management platform for doctors. **Python, Ruby, microservices, Django**

Dexter Energy, Amsterdam

JUN 2020 - OCT 2021

Software Engineer, Fulltime

Development of API's used by large portion of the Dutch electricity market. Cooperated with data science teams to translate existing python notebooks into easy to use data visualization dashboard (Vue.js). I managed to cut down DB workload from 30m to 20s for data engineering team. Had to listen to Ik Ga Zwemmen multiple times (!), enjoyed company of our office St Bernard and survived sleeping in a room with two snow bengal kittens. **Tech: Apache airflow, Redis, kubernetes, PostgreSQL, Big Query, Stackdriver, helm, Sentry, docker, gitlab ci/cd, python, Vue.js, Node, Django and pandas.**

AgFunder, SF, CA

2017 - 2018

Lead python developer

I have managed development (3 devs) of public facing web-platform and custom data-portal. Focus on code quality and maintainability. Tech: **Python, Django, Jupyter, Pandas, NodeJS, and RabbitMQ.**

Webarchive of National Library, Prague

2015 - 2019

Fullstack developer

Greenfield **opensource** data management tool and public **website**. I reduced system complexity and saved money by single-handedly developing tool that handled work load of two existing systems. I have also designed data-migration processes and built API's for 3rd party systems. Tech: **Django, PostgreSQL, memcached, Docker and NodeJS.**

EDUCATION

University of Edinburgh, BSc Computer science

Thesis: Learning dynamic behavior of a quadruped robot - using DeepRL to learn walking on simulated dog-like robot, graded A. Other notable work: **ML for weather prediction** - group project to evaluate different deep neural networks for weather prediction.

AWARDS

Facebook White Hat bounty award,
UK Math Challenge (Senior),
UK Math Challenge (Intermediate),
Czech Debating Association,
The Duke of Edinburgh Award,

\$6500
silver
bronze
Gold Badge
Gold

OPEN SOURCE

I enjoy developing open source software and I try to push as much of my code to my github. See **WebarchivCZ/Seeder** - CMS and public site for National library. At AgFunder I worked on **session-log**. In my free time I worked on **urljects** - Django URL system inspired by Flask. I have also published several tools focused on photography data: **exif2pandas, where, photos2geojson.**

RECOMMENDATIONS

Numan

Martin helped us to build internal data management portal at a critical time. He has excellent knowledge of Python and Django. His code reviews are very thorough and he has helped to advance our junior members. He is active member in any meeting and frequently voices concerns in constructive manner.

I recommend Martin without any reservations.

– *Rubén Romero García*, Technical Lead at Numan.com

OpenSignal

Martin worked with us for a few months at Opensignal, and managed to build a fully featured api for our new visualisation platform well within the expected time scale. He picked up the context around the project extremely quickly and was a resource to the team from day one. He handed us over a well designed and maintainable code base. I would happily work with him again!

– *Clement Bouscasse*, Technical Lead at OpenSignal

AgFunder

Martin is highly skilled and a pleasure to work with. Technically he is very competent in the various technologies we used. I have worked with many developers, and have found that technical competence alone is not sufficient – he also brings tenacity and strong soft skills which are key for more advanced work.

He often foresees issues in advance, and is skilled at navigating the many decisions that need to be made in designing good systems. He thinks through implications and edge cases, and can explain his thinking clearly, which is rare. He writes and diagrams clearly to convey and convince with his technical findings, which benefits the team.

He is a leader, successfully managing two other developers on our projects with great results.

I recommend Martin without reservation.

– *Robin Ranjit Singh Chauhan*, Head of Engineering, AgFunder

NovarumDX

We brought Martin in as a temporary replacement to a 3-person Django team, and dumped a number of messy legacy projects on him during a very unstable period in terms of server issues, all with very little in terms of handover.

Martin handled all this remarkably well, demonstrating excellent organisational, diagnostic and devops skills, which was all bonus as we hired him primarily as a developer. It was really a stroke of luck and the company were extremely grateful to have had him there.

His developer skills - in terms of raw programming ability, problem understanding, design decisions, knowledge of best practices and overall breadth of experience - are also second to none. I really enjoyed coding alongside Martin.

All in all, it was a pleasure and reassurance having him in the team, and I have no hesitation recommending him to any dev team.

– *Andrew Buchan*, NovarumDX