

Peter Skočovský

🌐 aifargonos.xyz • in peter-skocovsky



Employment

DataScience Service GmbH

DevOps Engineer

Austria

2025–2026

- Maintaining infrastructure for data processing pipelines (GitLab CI/CD, Kubernetes, Python, PostgreSQL)
- Administering Dagster deployments (GitLab project adm., Dockerizing and deploying to Kubernetes)
- Developing software to customize Dagster (Python, Pandas, PostgreSQL)

Sabbatical

Working on my personal project: <https://aifargonos.xyz/>

Austria

2024

Lexogen

Backend Architect and Developer

Austria

2021–2023

- Responsible for design of backend webserver (Django, Python, REST API)
- Setup, developed and maintenance of cloud infrastructure (Google Cloud, Terraform, Kubernetes)
- Design and implementation of microservices (Celery, RabbitMQ)
- Maintaining CI/CD that updates the cloud infrastructure (Docker, Alpine Linux, Bash)
- Administration of GitLab for all git repositories of the project
- Involved in hiring process and onboarding of new developers

Bosch Center for Artificial Intelligence

PhD Sabbatical

Germany

2020–2021

project: Answer-Set Programming for Lexicographical Makespan Optimisation in Parallel Machine Scheduling

- Supported computer scientists with software engineering
- Development of a multi-shot problem encoding (Python, Answer-Set Programming)
- Processing and data analysis of experiment results

TU Wien

Research Assistant

Austria

2018–2020

project: KtoAPP: Compiling Knowledge into Applications

MADE spol. s r.o.

Freelancer

remote

2018

- Developed server-side website <https://www.urbis.sk/zakaznici/> (Django, Python, Linux server)
- The website is used by thousands of customers of the company, and I still maintain it.

Ulm University

Research Assistant

Germany

2015–2017

project: Live Ontologies

- Development and maintenance of an OWL 2 EL reasoner ELK (Java, solving concurrency issues)

RUPEAL

Software Development Consultant

Portugal

2014–2015

- as a programmer at **Coriant** (Java)

Certification

Kubernetes and Cloud Native Associate (KCNA): Certificate ID: LF-36jtixvtl

2026

Education

European Master's Program in Computational Logic	Germany, Italy, Austria, Portugal
<i>Erasmus Mundus programme including studies at:</i>	<i>2010–2014</i>
○ Technische Universität Dresden, Germany	○ Free University of Bozen - Bolzano, Italy
○ Technische Universität Wien, Austria	○ Universidade Nova de Lisboa, Portugal
thesis: <i>Realisation of Stepping for Real-World ASP Languages</i> (implemented as a plug-in for Eclipse IDE)	
University of Bristol, Department of Computer Science	United Kingdom
<i>LLP Erasmus student exchange programme</i>	<i>2009–2010</i>
Brno University of Technology, Faculty of Information Technology	Czech Republic
<i>Bc, thesis: Discrete Simulation in Java: Process Scheduling</i>	<i>2006–2010</i>

Languages

Slovak: Mother tongue	Czech: Fluent (<i>language of instruction of Bc</i>)
English: Expert (<i>language of instruction of MSc</i>)	German: Intermediate

Awards and Scholarships

Erasmus Mundus Scholarship: European Master's Program in Computational Logic	<i>2010–2013</i>
Erasmus Grant: LLP Erasmus student exchange programme	<i>2009–2010</i>
GE Foundation Scholar-Leaders Program	<i>2008–2010</i>
Merit Scholarship: Brno University of Technology	<i>2007–2009</i>

Extracurricular Activities

31st European Summer School in Logic, Language and Information	<i>2019</i>
Hilbert Bernays Summer School on Logic and Computation, Göttingen	<i>2015</i>
EMCL Student Workshop 2012: Co-organizer	<i>2011–2012</i>
Google Summer of Code: Accepted project contributing to Isabelle (Scala)	<i>2011</i>
International Spring School in Formal Languages and Applications, Tarragona	<i>2011</i>

Publications

Thomas Eiter, Tobias Geibinger, Nysret Musliu, Johannes Oetsch, Peter Skocovský, and Daria Stepanova. Answer-set programming for lexicographical makespan optimisation in parallel machine scheduling. In *Proceedings of the 18th International Conference on Principles of Knowledge Representation and Reasoning, KR 2021, Online event, November 3-12, 2021*, pages 280–290, 2021.

Yevgeny Kazakov and Peter Skocovský. Enumerating justifications using resolution. In *Automated Reasoning - 9th International Joint Conference, IJCAR 2018, Held as Part of the Federated Logic Conference, FloC 2018, Oxford, UK, July 14-17, 2018, Proceedings*, pages 609–626, 2018.

Paula-Andra Busoniu, Johannes Oetsch, Jörg Pührer, Peter Skocovsky, and Hans Tompits. Sealion: An eclipse-based IDE for answer-set programming with advanced debugging support. *TPLP*, 13(4-5):657–673, 2013.