

Profile

A philosopher and logician turned engineer with a keen interest in distributed systems, a solid academic background in multi-agent systems, formal logic and game theory, and a growing experience in cloud systems and distributed computing. Platform and language agnostic, as long as the platform and language are right for the job.

Experience

- February 2017— **Software Developer**, *SUSE Linux*, Nuremberg, Germany
SUSE Manager team member, working on Salt integration and developing upstream contributions. Python/Tornado development.
- May 2015— **Systems Developer**, *Cloudreach*, Munich, Germany
- January 2017 Engineer for Europe's finest cloud computing consultancy. Working on infrastructure migration, systems architecting, design, provisioning, orchestration and deployment. Coding in Python, troubleshooting network issues, administration of Linux systems. A great majority of projects is related to AWS.
- March 2010—July 2014 **PhD Research Fellow**, *Bergen University College*, Bergen, Norway
Research fellowship at Western Norway's biggest University College during PhD studies. Involved in teaching a number of courses for both BSc and MSc in computer science students, such as algorithms, discrete mathematics, grid systems, and software verification.
- October 2007— August 2008 **Application Administrator**, *Agora SA (gazeta.pl)*, Warsaw, Poland
An internship at one of Poland's biggest and most prestigious media companies which later turned into a permanent position. Duties included Perl scripting, Oracle DB administration and PL/SQL programming, and Unix systems administration.

Education

- 2010-2015 **Ph.D.**, *University of Bergen*, Bergen, Norway
in Information Science, specialization: Multiagent systems.
thesis "Agents That Play By the Rules"
Dissertation about coordination problems in multiagent systems, specifically on using logical and game theoretic tools within the "social laws" paradigm, as introduced by Shoham & Tennenholtz.
papers 🔗 DBLP record, 🔗 Google Scholar profile. Full list available on my website.
- 2008-2009 **Erasmus exchange**, *Katholieke Universiteit Leuven*, Leuven, Belgium
Philosophy, Artificial Intelligence, Theology.
courses A two-semester scholarship awarded by the Institute of Philosophy, Warsaw University.
Analytic philosophy, decision theory, theology of interreligious dialogue, cognitive science, theory of knowledge, and other.
- 2004-2009 **MA+BA**, *Warsaw University*, Warsaw, Poland
in Philosophy, specialization: Formal Logic.
Philosophy (major), Economics, History of Art, Computer Science.
thesis "On Tableau Systems for Some Modal Logics"
Thesis in proof theory. Introduces a new, fully deterministic, tableau-based decision procedure for modal logic K, easily adaptable to many other normal modal logics. Thesis and defense were both awarded top grade A.
courses History of philosophy, ontology, epistemology, formal logic, advanced formal logic, linear algebra, artificial intelligence and expert systems, history of ancient art, iconography, and other.

Technical Skills

- programming **Python**, experienced
Advanced knowledge and experience in Python programming, both for scripting and bigger applications. Knowledge of various asynchronous programming Python toolkits, Flask micro-framework, Boto AWS interface and other libraries.

Go, intermediate

Intermediate knowledge of Go language, experience with goroutines and channels. Used Go for small projects which utilized AWS SDK. Experience in writing HTTP servers and RESTful APIs with Go.

Haskell, intermediate

Intermediate knowledge of Haskell functional programming language. Experience in academic applications of the language, particularly in the area of formal logic, automated theorem proving and model checking.

Scala, and **R**

Basic knowledge, applied these languages for smaller projects or coursework.

systems and
networking

Linux, experienced

Advanced knowledge and more than 10 years of experience in various Linux-based systems, from Slackware through Debian to Fedora. Administration, management, configuration, provisioning and troubleshooting skills.

Amazon Web Services, intermediate

Experience in architecting and troubleshooting systems, **AWS Certified Solutions Architect** (Associate), certificate license AWS-ASA-8426.

Devops-related tools

Experience with many tools related to automation, templating and orchestration of infrastructure, such as **Salt** (core developer), **Chef** (developed cookbooks, created test suites with Kitchen), **Ansible**, **Puppet**, **Terraform**, **Splunk** (developed custom Splunk apps and add-ons), and **AWS Cloudformation/Troposphere** (developed custom templates and a web application that interfaced with Cloudformation).

other

Good knowledge of Git, experience both with Github and Bitbucket. Some knowledge of big data and analytics programming languages and tools, such as **Apache Spark**, **Pandas**, **NumPy**, **Pig** and **Hadoop**. Advanced knowledge of LaTeX and related tools for academic writing (Pandoc, Bibtex). Intermediate knowledge of software specification and verification tools (CPN, SPIN, NuSMV). Some experience with network-related projects, such as IPsec tunnels, Vyatta/VyOS VPN configuration and AWS VPC design.

Other

Languages Polish (native), English (full professional proficiency), Norwegian (basic, A2), and German (basic, A2).

Hobbies Jazz, classical music and road cycling. I played first violin for Unplugged Orchestra during 2004–2008 and second violin for University of Bergen symphonic orchestra in 2012. I raced in Bergen-Voss 2012 and 2013.

Blogging I write a personal blog that sometimes covers technical topics. Two of my posts appeared on the front page of HackerNews: “In Defense Of The PhD” and “A Eulogy for Maemo/MeeGo”.

