

Aleksandar Topuzović

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in [aleksandartopuzovic](#)

atopuzov

Professional Profile

A highly skilled and experienced senior software engineer with in-depth and extensive knowledge of software development, operating systems, networking and distributed systems. Has a strong understanding of a wide range of software, hardware and networking concepts. Is able to quickly diagnose sources of reliability and performance bottlenecks, propose and implement solutions for correcting them. Highly organized and methodological, with exceptional attention to detail and an eye for correctness and accuracy. Dedicated to providing only the highest standards of service. Readily improves his skill set and knowledge. Welcomes challenges, learns fast and adapts well to new situations and opportunities. Has worked in multiple engineering teams and developed complex tools and solutions for international clients. Has a keen interest in functional programming, distributed systems and correctness.

Education

2011 **Master of Engineering in Computer Science**, *University of Zagreb, Faculty of Electrical Engineering and Computer Science*, Croatia

Thesis: Determining technical trading rules using genetic programming

<https://github.com/atopuzov/gp-market-trading>

<https://www.bib.irb.hr/526695/download/526695.diplomski.pdf>

Work Experience

Mar 2019 - **Sr. Software Development Engineer**, *Workday*, Dublin, Ireland

- developed and designed automation tooling and services for network devices and servers
- developed internal libraries and tools
- coached and mentored engineers
- participated in the hiring process
- **technologies used:** python, docker, jenkins, groovy, prometheus, grafana, ansible, pyats, terraform, aws, chef, ruby, linux, centos, git, rest

- Sep 2015 to Dec 2018 **Software Engineer**, *Demonware (Activision-Blizzard)*, Dublin, Ireland
- designed and developed automation tooling and services
 - developed internal libraries and tools
 - delivered container orchestration platforms
 - **technologies used:** python, docker, kubernetes, mesos, marathon, git, bash, make, jenkins, linux, ruby, erlang, go, helm, prometheus, alertmanager, thanos, kops, grafana, rest, nginx, haproxy, aws, elastic search, syslog
- Nov 2012 to Sep 2015 **Systems Engineer**, *Amazon*, Dublin, Ireland
- developed automation tooling and services for large scale management and monitoring of the load-balancing platform
 - developed internal libraries and tools
 - participated in the on call rotation and assisted with troubleshooting and performance optimization
 - participated in the hiring process
 - **technologies used:** python, perl, ruby, java, bash, make, linux, git, rest, aws, xmlrpc, soap, bgp, ospf, citrix loadbalancers, cisco

Professional Development

- 2018 **Erlang training**, *Erlang Solutions*, Dublin, Ireland
- 2012-2022 **Conferences attended**
- FOSDEM
 - Kubecon
 - Euro Python, PyCon IE
 - Lambda Days, Lambda World
 - Haskell eXchange, Monadic Party - Haskell Summer School
- continuous **Online MOOCs by Coursera, EdX, Udacity etc.**
- On programming languages, Scala, Haskell, Erlang, Ocaml, Standard ML, Racket
 - Algorithms, Networking, Cryptography, Machine Learning, AI, Compilers
- 2007 **Project Management**, *Faculty of Civil Engineering, University of Zagreb*, Croatia
- 2003 to 2007 **CISCO network training**, Croatia
- CCNA, CCNP, CCVP, MPLS, Security and VPN
 - Workshop on optical technologies

Languages

- Croatian Native speaker
- English Fluent *Business English Certificate Higher Grade A, IELTS Academic Band 8*
- German Intermediate
- Spanish Basic

Skills

- Development Python, Haskell, Bash, C, Git, sql
- Ops Linux, AWS, Kubernetes, Docker, Prometheus