Jan Kadlec

☎ *+447429638599*
✉ *jan.kadlec.cz@gmail.com*
🖳 *uk.linkedin.com/in/kadlecphx*
github.com/jkadlec

Summary

I'm a pragmatic software engineer with solid **computer science** background. My strongest skills are **Python, C, C++ and Go** programming, expert knowledge of **computer networks and computer architectures** and experience in natural language processing (**NLP**). 6 years of industry experience, out of which 2 were part-time.

Experience

7/2016 - Present — **Director**, *Pythonic Limited*, London, UK.
Python consulting - computer networks, natural language processing, data processing. I have two clients at the moment, large cloud provider and a leading consultancy firm.

3/2016– 6/2016 — **Tech Entrepreneur**, *Entrepreneur First*, London, UK.
Entrepreneur First is Europe's leading tech startup accelerator. Members are selected purely for their (technical) talents. I've explored two ideas at EF: measuring employee happiness from their mails and chats (technologies used: Python, NTLK, gensim, scikit-learn) and a smart testing solution for mobile devices.

4/2015– Present — **Lead Developer**, *Phonexia*, Brno, CZ.
Phonexia is a leading provider of speech technologies. I joined to create a new SaaS machine learning product, the main focus being making corporate meetings more efficient, but the platform was modular. Most of the solution was written in Python using Flask, some parts, such as realtime streaming support were written in Go. Data storage used MySQL, Redis and Elasticsearch. The project used a microservice architecture, with each service dockerized. Used NLP libraries such as NLTK and gensim to analyse automatic transcriptions.

10/2010– 4/2015 — **Software engineer**, *CZ.NIC Labs*, Prague, CZ.
CZ.NIC is the body governing the .cz domain. I was part of the Knot DNS project - an open source authoritative name server. At this time it is deployed at several root zone nodes, which makes it an important part of today's Internet infrastructure. My tasks included creating highly optimized multithreaded code in C and writing functional tests in Python. Most of the code I've written is still in production. I was also in charge of DNS and DNSSEC tutorials at CZ.NIC's Academy.

Education

2011–2013 — **MS, Computer Systems and Networks**, *Czech Technical University*, Prague, CZ.
Thesis: Simulation of Cache Hierarchy and the MESIF Protocol (graded A, topic: CPUs, networks, multithreading)

2010 — **MS, Data Science**, *Aalborg University*, Aalborg, DK.
Erasmus programme, Member of IWIS: Intelligent Web and Information Systems research group

2007–2011 — **BS, Information Technology**, *Brno University of Technology*, Brno, CZ.
Percentile: 93
Thesis: Measures of semantic similarity in folksonomies (graded A, topic: data science, scraping, NLP)

Technical Experience

Extremely Proficient With

languages: C, C++, Python, Golang, SQL

concepts: Computer networks, Multi-threaded programming, Parallelization, Distributed systems, CPU architectures, NoSQL, Data science, Natural language processing (NLP), Agile, SCRUM, TDD, Architecting systems from scratch

technologies: Linux, TCP/IP, DNS, DNSSEC, Crypto, OpenMPI, Docker, Flask, SQLAlchemy, Alembic, Celery, AWS, MySQL, PostgreSQL, Elasticsearch, Redis, Kibana, Jenkins, Bash, Git, Nginx, Numpy, Scipy, Matplotlib, NLTK, Gensim, Pandas

Have Experience With

languages: Scala, Node.js, CLisp, x86 Assembly, VHDL, Javascript, Elm, Lua, Java, CUDA, R

concepts: Machine learning, Image recognition, Speech recognition, GPU programming, MapReduce