



Filip Sedlák

DevOps consultant with hands-on experience

Experience – DevOps

- Jun 2017 – present **Twisto**, *DevOps consultant*, Improving reliability and scalability, AWS, ANSIBLE, POSTGRESQL, DOCKER, ELASTICSEARCH, PYTHON.
In order for Twisto.cz to successfully expand to new markets, it needs fault tolerant and scalable platform. I helped Twisto to automate test/staging environment creation, test performance of the application, identify its bottlenecks and come up with solutions. Based on the measured data, I consult on architectural decisions.
- Apr 2017 – present **Geneea Analytics**, *DevOps consultant*, Improving robustness and security, RABBITMQ, AWS, ANSIBLE, DOCKER, PYTHON, JAVA.
Geneea Analytics processes large amounts of text in real time. I help them to handle bursts of traffic and batch jobs resulting in better customer experience. My work also helps to quickly deploy prototypes and one-off solutions behind shared security and billing layer without affecting the main application.
- Dec 2015 – May 2017 **Neuron Soundware**, *COO and Co-founder*, Predictive analytics startup, PYTHON, DEEP LEARNING, MICROSOFT AZURE, ANSIBLE, DOCKER, IOT.
We founded Neuron Soundware to help our clients improve uptime of their machines with predictive analytics. To achieve this goal, I was responsible for the development and operation of our IoT platform and operation of resources necessary for our development.
- Jan 2015 – Feb 2016 **MSD IT Global Innovation Center**, *Bioinformatics Team Lead*, HPC, PYTHON, SCALA, JAVA, KAFKA, RUST, NEO4J.
I built and operated an internal application that helped biologists research personalized medicine solutions. The IT innovation hub was founded to promote agile approach to IT within Merck. Using DevOps approach made it possible to shorten iteration cycles to one or two weeks.
- 2006 – 2009 **Eficia**, *Developer and Systems Administrator*, part-time, LINUX, WINDOWS, PHP, MYSQL.
Starting the last year of high school and continuing through university, I helped the private call centre Eficia to develop and maintain the internal calls tracking applications used by all agents. This work saved CZK millions in licensing fees for off the shelf software. Moreover, it allowed any changes to be ready in matter of days.

Experience – Development

- 2015 **Geneea Analytics**, *Consultant*, Bootstrapping a New Product, JAVA, SPRING, AWS, 3SCALE.
I designed and implemented the basis of the public API for a text analytics startup, reusing existing services where possible. This helped Geneea Analytics with short time to market and lower costs than other solutions they were considering at the time.
- 2012 – 2015 **ChemAxon**, *Developer, later Product Owner*, Cheminformatics Software for Big Pharma, JAVA, ORACLE, MYSQL.
In ChemAxon, I was first part of the team delivering a chemical reporting and data entry platform for pharmaceutical companies. This work required knowledge of the database systems and sometimes debugging of issues in the customers' systems. Later, I became a Product Owner of a part of a new product for the same set of customers.
- Oct 2010 – Jul 2012 **Institute of Molecular Genetics**, *Student Researcher and Developer*, PYTHON, R, LINUX, JAVA.
I built and deployed visualization tools for biology researchers.

2008 **Oliwier Finance**, *Contract*, Custom CRM software for financial services company, WINDOWS, MS ACCESS.
I built a quick and cheap customer management system for a starting company.

Education

2007–2012 **Master**, *Institute of Chemical Technology*, Prague, Czech Republic.
Chemical informatics

Teaching

2016 – present Programming for Biologists at Charles University, teaching together with my wife
2015, 2016 Organized Software for Scientists workshop

Languages

Czech **Mother tongue**
English **Full professional proficiency**
French **Conversational**
Russian **Basic**