Michał Fudała

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SKILLS

Advanced: **Linux workflow**, **Git**, **JavaScript ES6**, **IntelliJ IDEA**

Strong basics: **Java**, **Python**, **Spring Core**, **RxJS**, **Grunt, Node, Scala, Docker**

Basics: **Spring Integration**, **Spring MVC**, **SQL**, **Angular**, **C++**, **HTML5**, **D3.js**, **CSS3**, **Machine Learning**, **Bitcoin**, **Erlang**, **ANTLR4**, **Jenkins**, **Maven**, **JIRA**

Interests, direction of growth: **Machine Learning**, **Internet of things**, **Functional/Reactive programming** (**everything as a stream**), **Functional languages** (**Scala**), **Algorithm heavy tasks, Distributed knowledge** (**like Blockchain**), **Fully automated CI/CD**

I can and would love to quickly master anything fresh and new.

EXPERIENCE

Silent Eight - *Software Developer (remotely)*
November 2015 - now

Used freshest Spring + Java 8 stack to extend and develop search engine based product for enterprise clients. Written NLP like DSL for main query parser using ANTLR4 code generated from grammar.

Tweaked Jenkins and Maven configuration to improve team workflow, solved DevOps problems in Python to enable easier deployment and production management.

Written watchdog using Python that watches availability of multiple production servers and publishes slack events if something bad happens.

Written module that enabled indexing and tf-idf full text search,(using Lucene) on flattened sql database.

FREE TIME PROJECTS michalfudala.com/projects

undoo (work in progress) - *BIT Idea Factory*
It's like Git for designers but easier and more intuitive. Desktop application build with web stack. Work in progress.

Tech stack: **JavaScript ES6**, **Node**, **nw.js**, **Angular**, **Nodegit**

Simulated annealing algorithm visualization
Visualization that shows how this optimizaton algorithm approximates succesive solutions of traveling salesman problem.

Tech stack: **JavaScript ES6**, **RxJS**, **sigma.js**, **metrics-graphics**

Other minor projects

Oldschool Arduino pong for TV (2 players: controlled through bluetooth + analog joystick).

Visualizations of linear regression, double pendulum.

A lot of mini-projects, scripts, terminal hacks, college stuff, throwaway text parsers, NN classifiers ...

(some can be found on my github: https://github.com/myhau, or website michalfudala.com/projects)

EXTRACURRICULAR ACTIVITIES

BIT Idea Factory *- AGH Scientific group*

2013 - present

Took part in various student workshops and lectures that allowed me to explore software technologies and concepts.

Paricitipated in ambitious project in team of passionate students. Used tools (e.g. **JIRA**, **Git**) and software developement concepts (e.g. **Agile**, **code review**) to stay organized as a team.

BIT AI *- AGH Scientific group*

2014 - present

Basics of deep learning course.

EDUCATION

AGH University of Science and Technology (WIEiT), Kraków *- BSc in Computer Science*

2013 - now (graduation - 2017)

LANGUAGES

Polish (native)

English