Tomasz Kulik

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Experience

Jun/20 -

Software Developer
Luxoft (Metaswitch), Wrocław, Poland
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- Developing the 5G core software
- Implementing mainly new features
- Preparing the documentation and specification of the new features
- Working on microservices in a cloud environment (**Azure**)
- Testing new features
- Working with **Docker**, **Kubernetes**
- Programming: **Rust**, **Python3**

Aug/18 - Jun/20

Engineer Software Developer
Nokia, Wrocław, Poland
After getting more experience in the project and programming skills I decided to focus more on the software development. Besides Python3, I started writing code for the telecommunication embedded system in C++14. I was also responsible for writing tests in TTCN-3 language. There was also other projects written mainly in Python in which I took part.

- Developing of **LTE** and **IoT** software in eNodeB
- Developing middleware for Radio Module (**init**, **systemd**)
- Implementing new features and maintaining legacy code
- Bug fixing, fault analysis
- Python3 and C++14 code reviewer
- Member of a **scrum team**
- Programming: **C++14**, **Python3**, **TTCN-3**, **VBA**

Jun/15 - Aug/18

Software Test Engineer
Nokia, Wrocław, Poland
I have started as a Working Student in Nokia by the end of a 2nd year of studies. I was part of Q&A team that worked on tests for base station. After few months I switched to the full time job and became a Test Engineer. To get a wider view of the project I took part in the review process as a code reviewer. The job gave me a chance of working close to the 'bear metal' and simultaneously to learn good practices in programming.

- Writing **automated tests**, preparing documentation of test plans
- Functional Testing, Integration Testing
- Working on a test environment for **LTE software** U-plane and C-plane in eNodeB
- Python3 code review and co-author of „test guide"
- Member of a **scrum team**
- Programming: **Python3**, **RobotFramework**, **Bash**

Education

My studies were focused mainly on a theory of Computer Science, though there were also practical exercises. I was using a number of programming languages during labs. I learned about algorithms used in various fields such as networking, distributed systems, coding and compression of data, compilers, machine learning, optimization and so forth.

2017 - 2019   **Master's Degree in Computer Science (Algorithmics)**
Wrocław University of Science and Technology
Faculty: Fundamental Problems of Technology
Thesis: „Filtering algorithms in constraints programming".
Description and implementation of algorithms for domains reduction (constraints propagation) within IBM CPLEX environment. **C++11 / Optimization**

2013 - 2017   **Bachelor's Degree in Computer Science**
Wrocław University of Science and Technology
Faculty: Fundamental Problems of Technology
Thesis: „Computer modeling and solving geometry puzzles that require collision detection".
Solver of 'Snake cube puzzle'. Application consist of an interactive 3D GUI that allows the user to manipulate the model and to solve it step by step. **C++11 / OpenGL**

Certifications

- Best practices of object-oriented programming in C++ language
- ISTQB Certified Tester Foundation Level
- E-UTRAN/LTE Signalling
- LTE Cellular IoT

Tools

- **Cloud/DevOps:** Azure, Docker, Jenkins, Kubernetes
- **Programming:** Bison, Cplex, GTest, OpenGL, PyTest
- **Codebase and CI:** Fisheye, Gerrit, Git, Gitlab, Jenkins, Svn
- **Machine Learning:** Keras, Matplotlib, Pandas, Scikit-learn
- **Operating Systems:** Linux, Windows
- **Misc:** Jira, Confluence, etc.

Skills

- **Languages:** Polish (Native), English (B2)
- **Programming:** C/C++ (Good), Python (Good), Rust (Intermediate), Julia (Intermediate), Prolog (Basic), SQL (Basic)
- **Personal:** Team player, Fast learner, Sharing knowledge

Interested in

- Dance and Sport in general (trecking, snowboard, workout, etc.)
- Machine learning and Algorithmics
- Guitar