

CURRICULUM VITAE – GEORGE ANDREI BALS

Personal Information George Andrei Bals
Timisoara, Romania
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Skills

Technical Skills

- Operating systems : Windows and **Linux**
- Programming languages : **Python, Bash, Groovy**/Java, JavaScript/React, C/C++
- Programming tools : **Git, Docker, Jenkins, Kubernetes**, Prometheus, Grafana
- Office software : Jira, Microsoft Office, LaTeX
- Languages : Romanian (native), English (proficient), French (basic) and German (basic, self-taught)

Soft skills

- **Autodidact**
- **Active listener** and good communicator
- Critical thinker and problem solver
- Team player
- Adaptable

Employment History

DevOps Engineer Intel *July 2023-Present*

Skills developed and responsibilities :

- Became a core developer for a distributed system service for handling boards allocation implemented in Python
- Created basic WebUI for said service using React
- Refactored old workflows to improve extensibility and user experience with CI jobs
- Designed and implemented a system for automatically updating software configuration using Python, Jenkins and GitHub
- Helping new interns accommodate by giving ramp-up guidance
- Further work in managing Docker images and Kubernetes, coupled with handling various aspects of Jenkins instances

DevOps Internship Intel *April 2022-July 2023*

Skills developed and responsibilities :

- Design and implement an automated testing and validation mechanism for boards
- Maintaining, updating and creating of Docker images to suit various needs
- Learned to work with DevOps specific tools like Jenkins, K8s and Docker
- Learned to create and deploy various Python and Bash scripts
- Learned to use Linux
- Learned teamwork in an Agile environment

Electronics Internship Continental Engineering Services *July 2021-October 2021*

Skill developed :

- Learned to measure electrical signals and debug electronics

Education

Masters in System Engineering Universitatea Politehnica Timisoara *September 2023-Present*

Bachelors in System Engineering Universitatea Politehnica Timisoara *September 2019-July 2023*

Key classes and skills developed :

- Programming in various languages like C/C++, Java, C#. Knowledge about object oriented programming, data structures and algorithms
- Machine learning concepts like (un)supervised learning, regression, clustering, neural networks, deep learning and reinforcement learning
- Designing and analyzing complex systems, with a focus on ensuring optimal performance and stability. Familiar with different control methodologies, such as PID regulators
- Math, Physics, Electronics