

Jonas Meeuws

Electronics/computer engineer

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EXPERIENCE

See also jnms.be/experience.

WHY2025 Badge team

2025

IFCAT

1800 BC Alkmaar, NL

- Worked on the firmware/operating system running on the pre-release esp32p4. Helped coordinate assembly and testing of the 3000+ devices produced. Also ported MicroPython

Zeus WPI

2025

Gent University

9000 Ghent, BE

- Joined the board of a local hackerspace.
- Helped organise 10-15 educational events per year related to computer science and electronics.

Cyber Security Challenge Belgium

2025

Royal Military Academy

1000 Brussels, BE

- Team: Zeus daemons
- Qualifiers: 3rd place; Finals: 3rd place

OWASP Benelux Days

2024

Jaarbeurs

3521 AL Utrecht, NL

- Invited as part of the CSCBE prize for 3rd place.
- Took part in a 1-day training from Dr. Philippe De Ryck on hands-on API security.

Cyber Security Challenge Belgium

2024

Royal Military Academy

1000 Brussels, BE

- Team: Red goblins
- Qualifiers: 2nd place; Finals: 3rd place

Summer job

2021

Amaron

8755 Ruiselede, BE

- Developed a Java component for automated installation of resource packets using custom manifests.

Summer job

2020

Amaron

8755 Ruiselede, BE

- Set up the monitoring of customer installations.
- Incoming data was already being stored in an Elasticsearch instance. My task was to build an alerting system and accompanying Grafana dashboards to drill down on issues (python + grafana-lib).

Internship

2020

Fluvius

8820 Torhout, BE

- Bachelor's dissertation: "Implementatie van een NIDS binnen een ISP omgeving"
- Technologies: Security Onion, Logstash/Elasticsearch/Kibana, TheHive, ntopng, React/JS

EDUCATION

Master of Science: Information Engineering Technology

Ghent University

2022-Present
Dissertation remaining

Academic Bachelor: Information Engineering Technology

Ghent University

2020-Present
2 courses remaining

Professional Bachelor: Electronics-ICT

Vives Brugge

Graduated 2020
Magna cum laude

Techniek Wetenschappen

Immaculata-instituut 8200 Sint-Michiels, Brugge

Graduated 2017

PROJECTS & ACTIVITIES

See jnms.be/projects.

TECHNICAL SKILLS

Systems programming languages: C, C++, D, Swig

High level programming languages: Java, Kotlin, C#, Vala

Scripting/Embedded languages: Bash, Scheme, Python, Lua, Javascript, Typescript, Ruby, PHP

Frameworks & Libraries: FreeRTOS, picolibc, ESP-IDF, vibe.d, Spring, Rails, Laravel, React, React Native, Unity Engine

Tools: Git, Docker/Podman, QEMU/LibVirt, Kata, VSCode, Vim, Emacs, CMake, Autotools

Platforms: Guix, Debian, BuildRoot

Other: VHDL, OpenSCAD, Eagle

Management: Forgejo, GitLab, Redmine

CI/CD: Cuirass, GitLab CI/CD, Woodpecker, Forgejo Actions (act)

PERSONAL INFO

Languages:

- Dutch: Fluent
- English: Fluent
- French: Fluent
- German: Learning

Location: Berlin (DE), occasionally in Ghent (BE) and Bruges (BE)