

# Nicolas Stenuit

System Development Engineer II | Forward Deployed Engineering | Platform Engineering | Cloud Infrastructure | DevOps

Dublin, Ireland | Open to Belgium, France, and remote roles in Western Europe

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## SUMMARY

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System Development Engineer II with 5+ years of experience in AWS cloud infrastructure, automation, and network monitoring. Strong background in Infrastructure as Code, CI/CD, Python automation, BGP-based monitoring, and multi-region delivery. Combines technical execution, operational ownership, and stakeholder communication for FDE, Platform, DevOps, SRE, and Cloud roles. Informal team lead and service owner across AWS Networking: coordinated engineers, prioritised technical debt, and drove projects from planning to execution. Facilitated sprint planning and retrospectives as Scrum Master.

- Automated zero-click regional deployments, enabling faster AWS expansion and **\$500K savings per region**.
- Drove a storage optimisation initiative that contributed to **\$2.5M in cost savings**.
- Reduced the team ticket backlog from **100+ to 10** through a weekly operational review process.
- Built IaC solutions with CloudFormation, CDK, Lambda, EC2, S3, CloudWatch.
- Developed Python protocol tooling adopted by roughly **20+ teams** across AWS worldwide.

## SKILLS

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Python | TypeScript | Ruby | AWS | Amazon EC2 | Amazon S3 | AWS Lambda | Amazon CloudWatch | AWS CloudFormation | AWS CDK | Infrastructure as Code | CI/CD | BGP | Network Monitoring | Linux | Distributed Systems | Multi-Region Deployments | Automation | Scripting | LLM | Prompt Engineering | Amazon Bedrock | AI-Driven Development | Operational Excellence | Cost Optimisation | Technical Leadership | Scrum

**Cloud & Infrastructure:** AWS, EC2, S3, Lambda, CloudWatch, WAF, CloudFormation, CDK, multi-region deployments.

**Programming & Automation:** Python, TypeScript, Ruby, scripting, CI/CD pipelines.

**Networking & Systems:** BGP, network monitoring, protocol translation, Linux, distributed systems.

**AI & Emerging Tech:** LLM tooling, prompt engineering, Amazon Bedrock, AI-driven automation, generative AI.

**Delivery & Reliability:** Operational excellence, cost optimisation, production support, monitoring and alerting.

## EXPERIENCE

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### System Development Engineer II

September 2024 - June 2026

AWS Networking - Network Monitoring | Dublin, Ireland

- Led zero-click automation for new AWS regions, enabling faster expansion and \$500K savings per region.
- Improved CloudFormation and CI/CD workflows, including CDK-based AWS WAF delivery.
- Worked with lifecycle teams and customers to redesign storage usage, contributing to \$2.5M in savings.
- Supported BGP route monitoring in large-scale AWS networking environments.
- Owned multi-region IaC, automation, deprecation, and CI/CD pipelines; kept management and customers informed.

### System Development Engineer

September 2021 - September 2024

AWS Networking - Network Monitoring | Dublin, Ireland

- Built AWS infrastructure with CloudFormation, Lambda, EC2, S3, and related services.
- Developed dashboards and coverage reporting for leadership.
- Reduced ticket backlog from 100+ to 10 through a weekly ops review process.
- Worked on BGP monitoring and active route monitoring alarms.
- Led work across junior and senior engineers; coordinated prioritisation of technical debt.

### System Development Engineer Intern

November 2020 - April 2021

Amazon Web Services - Optical Automation Team | Dublin, Ireland

- Built Python drivers translating optical device protocol data into reusable engineer-friendly functions.
- Covered approximately 5 network protocols.
- Delivered tooling adopted by roughly 20+ teams across AWS worldwide.

## EDUCATION

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### Master's Degree in Electrical and Electronics Engineering

Haute Ecole Louvain en Hainaut (HELHa) | Mons, Belgium | Magna Cum Laude  
Focus areas: telecommunications, cybersecurity, artificial intelligence.

September 2015 - June 2021

### Master's Degree in Data Centre Engineering

Haute Ecole Louvain en Hainaut (HELHa) | Distance Learning | Magna Cum Laude  
Google partnership programme.

September 2020 - June 2021

## LANGUAGES

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**French** - Native

**English** - Fluent (C2, TOEIC 985)