

# Jelle Pelgrims

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## PROFILE

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I am a software engineer with four years of professional experience encompassing the whole software development pipeline. I primarily focus on the back-end, having completed several major projects covering many aspects of back-end software development, such as provisioning infrastructure, handling cloud migrations and building microservices. Specific areas of competency are software development with Python and Typescript, application deployment using Docker/Kubernetes and infrastructure provisioning on AWS and GCP.

## EXPERIENCE

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**NS (Nederlandse Spoorwegen)** Utrecht, Netherlands  
AWS Platform Engineer January 2023 - Present  
*AWS, CDK, Typescript, Python*

- Part of the platform engineering team. Responsible for maintaining central AWS Infrastructure used by dozens of other development teams.

**ENPICOM** 's-Hertogenbosch, Netherlands  
Solutions Engineer January 2022 - December 2022  
*AWS, Kubernetes, Typescript, Node.js*

- Responsible for AWS infrastructure, cloud cost management and developing custom solutions for high-value clients
- Planned and executed a cost reduction project that resulted in a structural yearly decrease in AWS spending of 52% (\$87,552)
- Implemented an Infrastructure as Code solution using AWS CDK, automating the bulk of all infrastructure operations
- Mentoring of interns and coordinating interviews for a new QA engineer position

Junior Software Engineer August 2020 - December 2021  
*GCP, AWS, Kubernetes, Typescript, Node.js, Bash, PostgreSQL*

- Migrated all infrastructure from GCP to AWS, reducing costs by \$100,000 (in the form of AWS startup credits)
- Developed a new authentication service using Auth0 in Node.js, together with custom SSO integration for a client using an SAML identity provider.
- Improved existing infrastructure by setting up a CDN and manually upgrading from PostgreSQL 11 to 12.
- Automated Google cloud infrastructure operations, decreasing environment set up and teardown time from 1 working day to 30 minutes. This enabled us to set up new testing environments on demand.

Software Intern Spring 2020  
*Kubernetes, Typescript, Bash*

- Automated moving of existing docker registry from Azure cloud to Google cloud in bash
- Implemented a kubernetes scheduler for compute jobs in Typescript as part of a prototyping effort.

## CERTIFICATIONS

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- AWS Certified Solutions Architect - Professional (SAP-C01) *Valid until October 28, 2025*
- Microsoft Certified: Azure Administrator Associate (AZ-104) *Valid until June 23, 2024*

## EDUCATION

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**University Colleges Leuven-Limburg** Haasrode, Belgium  
Bachelor of Applied Information Technology (Ba) 2017 - 2020

- Graduated magna cum laude
- Erasmus program in Finland during 3<sup>rd</sup> year, 1<sup>st</sup> semester (Lahti University of Applied Sciences)