Curriculum Vitae | Jorik Seldeslachts

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jorik@kubestronaut:~ $ whoami
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Kubestronaut (#26 in Belgium), **Technical Lead** and **Platform Engineer/Architect** with a deep passion for **Kubernetes**, cloud-native architecture, and open source. I am one of the first in Belgium to hold all five Kubernetes certifications, reflecting a sustained commitment to mastering the full **CNCF ecosystem**.

Platform engineering is at the core of what I do: designing and operating resilient, self-service platforms that reduce operational overhead and accelerate software delivery. Every engagement is grounded in GitOps and Infrastructure as Code principles, ensuring that every change is versioned, auditable, and automated across the full software delivery lifecycle. CI/CD is not an afterthought but a first-class citizen, enabling teams to ship with speed and confidence.

Beyond hands-on engineering, I lead as a **technical lead and architect**, guiding teams through complex platform decisions, mentoring engineers, and bridging business requirements to scalable and maintainable infrastructure. I thrive where deep technical ownership meets cross-functional collaboration.

With a strong interest in the intersection of **AI and cloud-native platforms**, I actively follow how these fields are reshaping how infrastructure is built, operated, and evolved.

Education

- 2013-2014 - **Howest** - Digital Arts & Entertainment
- 2015-2018 - **PXL** - Applied Computer Science - System & Network Administration (Bachelors degree)
- 2018-2019 - **Howest** - Computer & Cybercrime Professional (CEH certificate)

Certification

- 2026 - **Kubestronaut** - #26 in Belgium
- 2026 - **CKS** (Certified Kubernetes Security Specialist)
- 2025 - **CKA** (Certified Kubernetes Administrator) - Reobtained
- 2025 - **CKAD** (Certified Kubernetes Application Developer)
- 2025 - **KCSA** (Kubernetes and Cloud Native Security Associate)
- 2025 - **KCNA** (Kubernetes and Cloud Native Associate)
- 2021 - **CKA** (Certified Kubernetes Administrator)
- 2021 - **Kubernetes Fundamentals**
- 2019 - **CEHv10** (Certified Ethical Hacker)
- 2019 - **ITIL** Foundation

Recent Training & Courses

- 2022 - **Go Training** - Interactive training on programming in Go
- 2023 - **RedHat Openshift ACM** - Advanced Cluster Management
- 2023 - **Kasten K10** - Kubernetes backup and disaster recovery
- 2025 - **Architecting on AWS** - AWS Solutions Architect Associate

Continuous Learning

- 2015-2026 - **Homelab** - Built and maintained a personal tech environment for hands-on learning and staying ahead of the curve with industry trends. This has provided me with invaluable knowledge. I strive for enterprise grade, production-ready systems to push my skills to the limits and become the best version of myself in a fast evolving landscape.

Languages

- **Dutch** - Native Speaker
- **English** - Fluent (Reading, Writing, Speaking, Listening)
- **French** - Basic (Reading, listening)

Experience

HostYou

02/2018 - 04/2019

- **Internship**

  Creating an automated test environment for web development at HostYou. I also made a custom CLI tool to manage it.

  `CentOS | Fedora | Docker | Python | Bash | Powershell | Ansible | Docker-Compose`

- **Infrastructure Solutions Advisor**

  Supporting clients to offer the best possible solution for their hosting needs. My responsibility was maintaining the datacenter, including firewalls, switches and HPE servers. It was also my job to automate the provisioning of the LAMP stacks and a wide range of other small tasks to make sure minimal manual work was needed.

  `VMware | CentOS | Fedora | LAMP | Ansible | Python | Gitlab | Watchguard | HP Aruba | Cisco | HP VSA | PHP | Drupal | MySQL | Varnish | Zabbix | IaC`

Aarixa

04/2019 - 06/2022

DevOps Consultant at Digipolis

- **Platform9 Kubernetes Infrastructure As Code**

  Automating the creation and management of Platform9 Kubernetes clusters as code (IaC). Users only need to commit changes to a git repository, after which the automation tools take over to create or update all the required infrastructure.

  `Platform9 | Kubernetes | Terraform | Python | Gitlab CI/CD | Infoblox | vSphere`

- **AVI Infrastructure As Code**

  Creating and maintaining IAC pipelines to automate the configuration of AVI network loadbalancers. Migrating from F5 BigIP to VMWare AVI, all Infrastructure as Code (IaC).

  `AVI | Infoblox | Gitlab CI/CD | Ansible | Python | Kubernetes | F5 BigIP`

- **Application Lifecycle Management**

  As a member of the ALM team it was my responsibility to support the developers in their deployment process by providing a platform as well as a set of automation tools to facilitate their process.

  `Openshift | Kubernetes | Platform9 | Atlassian Stack | Gitlab | Sonatype Nexus | CI/CD | Chef | Bitbucket | Bamboo`

- **MyACPaaS**

  Working on the "My Antwerp City Platform as a Service" platform, I was part of the Workplace team, the team that was responsible for Gitlab and some custom build side components to automate the deployment process. These components consisted of custom build Python API's and applications to automate the communication between Gitlab and other systems like Kafka, Vault and S3. Everything was created as containers, either to be used in the pipelines or to run on Kubernetes.

  `Gitlab CI/CD | Kubernetes | Python | Kafka | Sonatype Nexus | Hashicorp Vault | S3 | Ansible | Ceph`

Nexuzhealth

06/2022 - 10/2023

Technical Software Engineer - DevOps Engineer

As part of the Site Reliability Engineering (SRE) team, I was responsible for ensuring system reliability, keeping infrastructure up and running, and continuously seeking improvements. I worked extensively with Google Cloud, maintaining all infrastructure as code using Terraform, eliminating manual configurations entirely. The approach was infrastructure as code first, along with pipelines as code to streamline operations. Additionally, I used a custom GitOps tool in Go, comparable to ArgoCD or Flux, to enhance deployment workflows. I focused on automating workload management on Google Kubernetes Engine (GKE), ensuring scalability, efficiency, and high system availability.

Projects:

- **UZ Leuven: Migration from Openshift 3 to Openshift 4**

  I successfully migrated from OpenShift 3 to OpenShift 4, setting up the entire infrastructure as code using Terraform. I was responsible for defining application deployments, leveraging custom Groovy Jenkins pipelines and Terraform to ensure a seamless, automated rollout. Everything was defined as code, following IaC best practices.

  `Terraform | Jenkins | Groovy | Gitea | EFK Stack | Grafana | Mimir`

- **Migration from Jenkins to Gitlab-CI for MOAPR**

  I carried out a major migration from complex Jenkins Groovy libraries to GitLab CI for the MOAPR (Mother Of All Patient Records), the core product NXH. This transition streamlined the CI/CD processes, improving maintainability, efficiency, and automation.

  `Jenkins | Groovy | Gitlab-CI | Go | GKE`

- **Setup and maintenance Observability Stack**

  I designed and implemented a cloud-native observability stack on top of GKE to monitor all GKE clusters. This setup leveraged Prometheus for metrics collection, Grafana for visualization, Loki for log aggregation, and Phlare/Pyroscope for profiling, ensuring comprehensive monitoring, performance insights, and efficient troubleshooting across our infrastructure.

  `Grafana | Prometheus | Phlare | Pyroscope | Loki | Terraform`

- **Setup and maintenance Security products**

  To gain clear visibility into dependency management, I leveraged SBOMs, ensuring transparency and security across our software supply chain. I implemented automatic SBOM generation and leveraged Dependency Track for tracking dependencies. Additionally, I used Trivy Operator for container image scanning and Defect Dojo for vulnerability management, enabling us to collect, analyze, and visualize data on dependencies and security risks effectively.

  `Dependency Track | Defect Dojo | Trivy Operator`

Piros

10/2023 - 01/2024

I had two combined roles across Piros and Qubr, with significant responsibility in both technical and leadership capacities.

- **Piros: RedHat DevOps Consultant**

  Piros is the biggest Belgian RedHat partner. I provided expert advice on DevOps and Site Reliability Engineering (SRE) best practices, helping customers optimize their infrastructure and workflows. Additionally, I supported the sales team from a technical perspective, offering insights and guidance that were crucial in securing business opportunities.

  `Openshift | Ansible | RedHat`

- **Qubr Teamlead**

  Qubr is a subdivision under Piros, offering managed services to customers. I was teamlead of a team of six, primarily composed of junior and medior profiles. My responsibilities included designing infrastructure architecture for customer projects, with a strong focus on Kubernetes and OpenShift solutions. I also played a key role in supporting and mentoring junior team members, helping them grow and develop their skills. Additionally, I was responsible for the setup and maintenance of Qubr's infrastructure, ensuring the reliability and scalability of our systems.

  `Proxmox | Bind9 DNS | Cloudflare | RHEL9 | RedHat Openshift | RedHat ACM/ACS (Advanced Cluster Management + Advanced Cluster Security) | Gitlab`

Sopra Steria (Current)

01/2024 - Now

DevOps / Platform Engineer / Technical Lead

Projects:

- **DiSo** (01/2024 - 06/2026)

  Within the *DiSo (Digital Solutions)*, previously called *Digital Factory* and *Design & Develop*, we operate as a pool of DevOps engineers across multiple customer projects.

  I did the setup and maintenance of their Kubernetes based container platforms, leveraging a GitOps approach for streamlined management. Utilizing a diverse range of tools from the CNCF landscape, I specialized in building scalable, secure and automated platforms that enhance operational efficiency and reliability for our customers.

  With a strong focus on automation, I developed and optimized CI/CD pipelines across various technologies, enabling seamless software delivery, reducing manual effort, and improving deployment efficiency.

  `Cloud: AWS | Azure | DigitalOcean`
  `Kubernetes: EKS | AKS | DOKS | OpenShift | K3S`
  `Keycloak | ArgoCD | Jenkins | Terraform | Observability | Datadog | Prometheus | Thanos | Loki | Grafana | Gatus | CNCF Landscape` `Gitlab CI | Github Action | Jenkins | Azure DevOps`

- **Internal Observability** (01/2024 - 07/2024)

  To enhance visibility and gain deeper insights into our internal EKS clusters, I have designed and implemented a distributed multi-cluster observability platform using Thanos, Prometheus, Loki, and Grafana, providing centralized monitoring, log aggregation, and improved visibility across these complex cloud-native environments.

  `Terraform | Observability | Datadog | Prometheus | Thanos | Loki | Grafana | Gatus | AWS | EKS`

- **SkeyDrone** (02/2024 - 10/2025)

  SkeyDrone is a fast-growing startup founded in 2020, born from a collaboration between Skeyes and Brussels Airlines, developing software for drone applications around airports. I helped to design, build, and maintain their Kubernetes GitOps platform on DigitalOcean DOKS to host all microservices of their drone software. The entire platform was defined as code, with a full GitOps based deployment workflow.

  `DigitalOcean | DOKS | ArgoCD | Terraform | CloudNativePG | Keycloak | Prometheus | Grafana | Loki | S3 | Azure DevOps | AWS`

- **UCLouvain** (06/2024 - 12/2024)

  Designed and delivered a highly available, on-premises cloud-native platform on Kubernetes to support the developer team rebuilding the university's entire web platform. We deployed K3S on local VMs to achieve an HA Kubernetes setup, with all workloads installed and managed through ArgoCD and GitOps. CI/CD for application builds ran on GitLab CI, where we developed a complete pipeline library to handle multiple web applications and high-intensity development pace. The platform was designed to absorb large traffic spikes, such as the surge in concurrent users when exam results were published.

  `K3S | PostgreSQL | ArgoCD | GitLab CI`

- **FOD BOSA** (03/2025 - 06/2026)

  FOD BOSA (Beleid en Ondersteuning / Appui Strategie) (FPS Policy and Support) is the Belgian Federal Government department responsible for delivering software and digital services to citizens. As part of the Pulse SDG (Single Digital Gateway) project team where I served as DevOps engineer alongside backend and frontend developers and designers, I contributed to building citizen-facing services as part of Belgium's obligations under the EU Single Digital Gateway (SDG) regulation, with a strong focus on security.

  `OpenShift | GitLab CI | Ollama | Nvidia NeMo Guardrails | S3 | Artifactory | Java | Python | npm | PostgreSQL | Kibana`

Jorselutions

02/2022 - 02/2024

Secondary Occupation (bijberoep)

I developed a custom web platform for a local funeral undertaker, enabling efficient management of documents and appointments. I integrated Belgian eID for secure authentication and streamlined operations.

`React | Python FastAPI | Belgian eID | Mongodb | Gitlab-CI | Trivy | Docker`

Infrastructure as a Hobby

2018 - Now

Hetzner Cloud-Native Platform

In my spare time, I built a cloud-native platform, leveraging Infrastructure as Code (IaC) to provision and manage Talos Kubernetes clusters in Hetzner Cloud, with integrated autoscaling for dynamic resource management. The solution utilizes a GitOps approach with ArgoCD to streamline deployment and management. It incorporates robust security with CrowdSec and Cloudflare, ingress management, SSO, and integrated observability tools. Custom node pools and cloud-native database management were implemented, alongside a custom private container registry powered by Harbor. Additionally, a multi-cluster mesh was established using Tailscale, ensuring secure and efficient cross-cluster communication. Secure secret management was integrated with HashiCorp Vault and External-Secrets to safeguard sensitive data across the platform. This infrastructure supports the deployment and management of self-written applications and Kubernetes operators, ensuring seamless, automated operation.

`Kubernetes | Talos | Argocd | Terraform | Hetzner | Tailscale | Vault | Harbor | CrowdSec | Cloudflare | Go | CNCF Landscape | IaC`

Homelab - Private Projects - Hobby

2015 - Now

Since my school years, I have been **passionate about technology**. In my spare time, I enjoy experimenting with new technologies, **continuously learning**, and exploring tools that I could potentially introduce at work. I design and build complex systems for my homelab, developing custom APIs, CI/CD pipelines, and infrastructure as code to **deepen my expertise and stay ahead of industry trends**.

I run these workloads on a mix of old HPE ProLiant servers, mini PCs, and custom-built machines, scaling them up to Hetzner Cloud, ensuring a flexible and scalable infrastructure for experimentation and development.

Apart from infrastructure, I have a strong passion for programming. I enjoy developing custom **APIs** to automate tasks at home and within my infrastructure, as well as building **Kubernetes operators** to streamline operations on my own clusters. My projects are primarily written in **Python** and **Golang**, allowing me to create efficient and scalable automation solutions.

- Virtualization: `Proxmox | HPE ProLiant`
- Kubernetes: `Talos | K3S | K0S | Rancher`
- Networking: `PfSense | OPNsense | Ubiquiti | VLANs | Cloudflare`
- VPN: `Tailscale | NetBird | OpenVPN`
- GitOps: `ArgoCD | Terraform | Ansible | Hetzner | IaC`
- Security: `HashiCorp Vault | CrowdSec | Kyverno | OPA Gatekeeper | Trivy`
- CI/CD: `Gitlab CI | Jenkins | Github Actions | Dagger`

Projects:

- **Energy Manager** - A set of microservices to monitor my home energy flow and consumption. It consists of multiple custom Prometheus exporters for solar panels, a home battery, and smart plugs, alongside a web frontend for real-time energy visualization.

  `Prometheus | Go | Nodejs | npm`
- **Backup Viewer** - A React frontend to visualize backup state across Kubernetes clusters

  `React | Postgresql`
- **Gatus Operator** - A Kubernetes operator in Go that auto-configures Gatus monitoring through Kubernetes service discovery

  `Go | Kubernetes | Gatus`
- **Kubeless** - Production-ready Kubernetes clusters stripped to their essentials, prioritizing simplicity over feature creep

  `Kubernetes | K3S | Talos | Terraform | GitOps`
- **Gitlab CI Library** - A centralized pipelines library covering all personal CI/CD needs, built up over years of use

  `GitLab CI | Bash | Python`
- **Hetzner gitops-k8s** - A complete GitOps-based Kubernetes platform on Talos and Hetzner, with autoscaling, SSO, secret management, and full Terraform IaC

  `Talos | Hetzner | ArgoCD | Terraform | Packer | Vault | Kubernetes`