SEBATI ILIAS

DevOps Engineer

@ ilias.travail@outlook.be   ☎ +32 466 40 44 37   ⚲ Liège, Belgium   in linkedin.com/in/ilias-sebati

WORK EXPERIENCE

Cloud Engineer

ARHS part of Accenture   **Full time**

📅 September 2023 – Present   ⚲ Brussels, Belgium

As a Cloud Engineer and consultant for European institutions, I contribute to cloud transformation initiatives by ensuring compliance with industry standards and implementing modern DevOps practices.
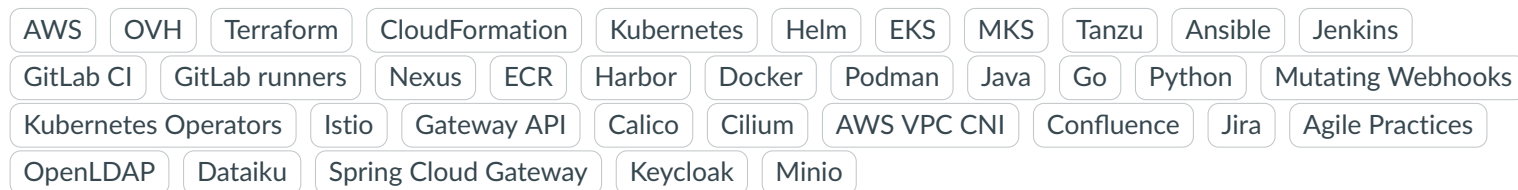
DevOps
- Automated software provisioning on virtual machines using **Ansible** playbooks.
- Built and maintained CI/CD pipelines with **Jenkins** and **GitLab CI** to streamline application delivery.
- Configured **GitLab runners** to support scalable build and deployment workflows.
- Established container registries with **Nexus**, **Amazon ECR**, and **Harbor** for standardized image management.
- Created and managed container images using **Docker** and **Podman**.

Kubernetes & Service Mesh
- Migrated legacy applications to containerized environments on Kubernetes clusters (EKS, MKS, Tanzu).
- Developed custom **Kubernetes Operators** in **Java** and **Go** to automate application lifecycle management.
- Implemented Kubernetes **Mutating Webhooks** to enforce dynamic configuration policies across deployments.
- Managed cluster lifecycles by performing regular upgrades, monitoring node health, and ensuring service availability.
- Designed and deployed an **Istio** service mesh to enhance microservices communication—configuring traffic routing rules, mutual TLS security, and observability (metrics/tracing).
- Configured **Istio** and **NGINX** as ingress gateways in distinct projects, and adopted the **Kubernetes Gateway API** to simplify ingress management.
- Worked with multiple CNI (**Calico**, **Cilium**, **AWS VPC CNI**).

Cloud
- Designed and implemented **AWS** and **OVH** landing zones in accordance with client requirements.
- Ensured **AWS** account compliance by aligning solutions with organizational policies and industry standards.
- Managed multi-environment infrastructure (*test, staging, production*) to support continuous delivery.
- Employed **Infrastructure as Code** using **Terraform** and **CloudFormation** to provision and maintain cloud resources.
- Documented processes and deliverables on **Confluence**, supplemented with detailed Word documents for client review.

`AWS` `OVH` `Terraform` `CloudFormation` `Kubernetes` `Helm` `EKS` `MKS` `Tanzu` `Ansible` `Jenkins` `GitLab CI` `GitLab runners` `Nexus` `ECR` `Harbor` `Docker` `Podman` `Java` `Go` `Python` `Mutating Webhooks` `Kubernetes Operators` `Istio` `Gateway API` `Calico` `Cilium` `AWS VPC CNI` `Confluence` `Jira` `Agile Practices` `OpenLDAP` `Dataiku` `Spring Cloud Gateway` `Keycloak` `Minio`

Cloud Engineer Intern

Cisco Systems, Inc.   **Internship**

📅 October 2022 – June 2023   ⚲ Brussels, Belgium

Working on my master's thesis ⬀ in collaboration with Cisco. The subject is the development of an application that aims to achieve visibility and observability in the cloud on a multi-cloud service provider architecture.
- Understanding the AWS SDK, including the data model of the services returned by the APIs.
- Understanding the Networking and Security aspects of AWS to compute reachability tests between services.
- Create the application using a microservices' architecture.

ProServe Intern

Amazon Web Services   **Internship**

📅 July 2022 – September 2022   ⚲ Paris, France

Interned at AWS in Professional Services (ProServe), actively participating in guiding a significant client through their transition to the cloud while adhering to industry best practices.
- Developed a comprehensive DevOps implementation guide aligned with AWS best practices, empowering the client in their cloud journey.
- Executed a proof of concept in Terraform through GitLab CI, showcasing the benefits of a Code-Centric approach to the client.

AWS | Terraform | DevOps | CI/CD | GIT | Agile

EDUCATION

MSc. in Computer Science
University of Liège   **Networking | Security**
🗓 Sept 2021 – June 2023   📍 Liège, Belgium

BSc. in Computer Science
University of Liège   **Software engineering**
🗓 Sept 2018 – June 2021   📍 Liège, Belgium

ACHIEVEMENTS

🏆 **Second Place in the Cyber Security Challenge Belgium ⤤ 2023**
The CSCBE is a cybersecurity contest for Belgian students. We secured the second position in 2023 and fifth in 2022, competing against more than 285 teams.

Leadership | Teamwork | Ethical Hacking

👥 **Organizer, Google Developer Students Club**
As a core member, I orchestrated two technical presentations with an average attendance of 20 individuals each: Kubernetes on GCP ⤤ and DevOps and CodeCatalyst on AWS ⤤.

Owning | Leadership | Tech Talks

CERTIFICATIONS

LANGUAGES

English   B2

French   Native

Arabic   A1