MOHAMED BEKENNICHE

Cloud & DevOps Engineering Student — Kubernetes · Terraform · Azure · CI/CD

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Mohamed Bekenniche

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SKILLS & TOOLS

Containers & Orchestration

Kubernetes · Helm · Docker · Traefik · Harbor

Infrastructure as Code

Terraform · Ansible · Bash · PowerShell

Development

Python · Java · C · Flask · REST API

Databases

PostgreSQL · MySQL · SQL Server · MongoDB

Cloud & Systems

Azure (AKS, VM) · OpenStack · AWS · GCP · Linux · Windows Server

CI/CD & GitOps

ArgoCD · Azure DevOps · GitLab CI · Git

Observability

Prometheus · Grafana · VictoriaMetrics · CheckMK

Networking & Security

VPN IPsec · VLAN · DNS/DHCP · Active Directory · Velero

LANGUAGES

French — Native

English — Professional proficiency

PROFILE

18 months running production cloud infrastructure, including **14 months on a permanent contract**, in a two-person team: **4 sites, 2 countries, 12,000 end users**. Migrated about ten applications to Kubernetes (AKS), built CI/CD pipelines and GitOps continuous delivery, automated provisioning with Terraform, and set up observability and disaster recovery.

Engineering student at Polytech Annecy-Chambéry. Seeking a **technical internship in computing infrastructure, DevOps or software development**, from **18 May to 24 September 2027**.

PROFESSIONAL EXPERIENCE

Infrastructure & Cloud Administrator — Jun 2024 – Aug 2025

SYDEV

Permanent contract after internship — team of 2, 4 sites (incl. Mauritius), 12,000 users.

- Migrated 10+ applications from Azure Web Apps to **Kubernetes (AKS)** on multi-region clusters (customer segregation) **with zero downtime**.
- Built **CI/CD pipelines on Azure DevOps** (build, tests, ACR) and **GitOps continuous delivery** with ArgoCD and Helm.
- Automated customer VM provisioning with **Terraform and PowerShell**, **saving 3 to 5 hours** per deployment.
- Deployed the full observability stack: **Prometheus, VictoriaMetrics, VictoriaLogs**, CheckMK monitoring and **Grafana** alerting.
- Designed the **disaster recovery plan (DRP)** and cluster backups with **Velero** (failover scenarios, restore tests).
- Administered multiple databases: **PostgreSQL, MySQL, SQL Server and MongoDB**.

Final-Year Internship – Infrastructure & Cloud — Feb – Jun 2024

SYDEV

- Administered 4 sites (IPsec VPN), two **Active Directory** forests and **Microsoft 365**.
- Developed **Terraform modules** to automate server creation on Azure.
- Automated user account lifecycle management with **Ansible**.

Internship — Systems & Network Support — Jun – Aug 2023

WIDIP

- Handled level-1 tickets for **multi-client managed services** and expanded the technical knowledge base.

EDUCATION

Engineering Degree — Computer Science & Data — 2025 – 2028

Polytech Annecy-Chambéry — Diplôme d'Ingénieur (MSc level)

Java project: event-driven messaging application with graphical interfaces.

Bachelor of Technology — Networks & Telecoms — 2021 – 2024

IUT1, Université Grenoble Alpes — DevCloud track

Python and **Java** development, REST APIs with **Flask**.