




YASSINE TBESSI

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 github.com/YassineCommits |  yassinecommits.github.io | Tunis, Tunisia

Languages: English (C1), French (B2), Arabic (Native)

Skills

- **Cloud Platforms:** AWS (EC2, VPC, RDS, CloudWatch, SSM, S3, IAM), GCP (BigQuery, Pub/Sub, Cloud Run)
- **IaC Automation:** Terraform (CDKTF with TypeScript), Ansible, Bash, Python, Go
- **CI/CD:** GitHub Actions, Jenkins, GitLab CI, AWS SAM Deploy, Vercel
- **Containerization:** Docker, Docker Compose
- **Orchestration:** Kubernetes (K8s), HashiCorp Nomad
- **Monitoring & Logging:** Prometheus, Grafana, Cloud-Watch, ELK Stack (Elasticsearch, Logstash, Kibana), Graylog, Fluentd, Alertmanager
- **Databases Data Mgmt:** PostgreSQL, MySQL, Supabase, BigQuery, Database Migration, ETL Pipelines
- **Networking Security:** WireGuard, VPN, Nginx, Security Groups, Firewalls
- **Version Control:** Git, GitHub
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows Server
- **Methodologies:** Agile, Scrum, Site Reliability Engineering (SRE), SLA
- **Other Tools:** eBPF (XDP), JIRA

Experience

DevOps and Site Reliability Engineer

Guepard

12/2024 – Current

Tunis, Tunisia

- Designed and implemented AWS infrastructure (EC2, VPC, RDS, SSM) for 10+ clients, ensuring high availability and security.
- Automated infrastructure provisioning with CDKTF (TypeScript), reducing deployment time by 90%.
- Configured WireGuard VPNs connecting 7 remote sites; integrated infrastructure via Nomad, improving scalability by 30%.
- Managed monitoring/logging (CloudWatch, Prometheus, Grafana) for 50+ metrics with real-time alerting.
- Developed a tool for migrating 700GB+ of client database data, reducing transfer time by 40%.
- Implemented PostgreSQL autosuspend feature using eBPF XDP, reducing resource consumption by 30%.
- Created and maintained CI/CD pipelines (GitHub Actions, AWS SAM, Vercel), improving deployment frequency by 50%.
- Led PostgreSQL to Supabase data migration with 99.9% consistency and <1 hour downtime.
- Automated unit tests, increasing coverage to 85% and reducing manual testing time by 40%.
- Developed a full reverse proxy using eBPF XDP and Go to dynamically route clients to their database instances based on connection strings.
- Maintained 99.98% system uptime via DevTools management and proactive issue resolution.

DataOps and Site Reliability Engineer

The Quantic Factory

01/2024 – 11/2024

Tunis, Tunisia

- Developed and optimized ETL data pipelines (Go, BigQuery, Bash, MySQL, APIs), increasing data processing efficiency by 40%.
- Reduced logging/monitoring costs by 80% with a Graylog, Prometheus, Grafana, Alertmanager, Fluentd stack.
- Migrated system to event-driven architecture (Google Pub/Sub, Bash, Cloud Run, Go).
- Designed a Go-based job scheduler for HashiCorp Nomad, improving resource utilization by 35%.
- Authored documentation for 8 applications, reducing support inquiries by 25%.
- Transitioned infrastructure from Google Kubernetes Engine to a self-hosted HashiCorp Nomad cluster with one server and 5 clients, improving system reliability and management.

Software Engineering Intern

Inoteqia

07/2023 – 09/2023

Tunis, Tunisia

- Designed and coded a monitoring dashboard (Dash Plotly) for an embedded AI system with real-time insights and anomaly detection (LSTM autoEncoder, Random Forest on TensorFlow).
- Containerized (Docker) and deployed the dashboard on a Kubernetes cluster.

Data Visualization Intern

12/2021 – 04/2022

dB.Sense

Tunis, Tunisia

- Created a Python-based data visualization dashboard (Pandas, Matplotlib, Seaborn, OpenCV) for sentiment analysis model results.

Personal Projects

- **Autostart Docker Container:** Go utility to automatically start specified Docker containers on system boot or service restart. (🔗 github.com/YassineCommits/autostart-docker-container)
- **Autostop Docker Containers:** Go tool to automatically stop Docker containers based on inactivity or predefined schedules to save resources. (🔗 github.com/YassineCommits/Autostop-docker-containers)
- **Postgres User Manager:** CLI tool developed in Go for simplified management of PostgreSQL users, roles, and permissions. (🔗 github.com/YassineCommits/postgres-user-manager)
- **Postgres Migration Tool:** Go-based utility for managing and applying version-controlled schema migrations to PostgreSQL databases. (🔗 github.com/YassineCommits/postgres-migration)

Education

ICT Engineering Degree

09/2021 – 06/2024

Ecole Nationale d'Ingénieurs de Tunis (ENIT)

Tunis, Tunisia

Major: Telecommunications; Specialization: Cloud Computing.

Preparatory Degree in Physics Technology

09/2019 – 06/2021

El Manar Preparatory Engineering Institute (IPEIEM)

Tunis, Tunisia

Graduated 91/846 (Top 11%).

Certifications

- Advanced Kubernetes/AKS Network Infrastructure - Udemy (ID: DC-2a8ff52a-f98b-4225-bfd1-272cd002f013)
- Deploy Infrastructure in the Cloud using Terraform - Udemy (ID: UC-0bfff960-1526-4726-4636-f8fb61e1457)
- Kubernetes for Developers - Udemy (ID: UC-62108125-140e-4bfc-bfa7-6a7bdc6cdc19)

Volunteering

- **Google Developer Student Club (GDSC) President**, ENIT (08/2022 – 05/2023): Led club activities, organized student events and technical workshops.