

# Denis D. Yaovi AKPAGNONITE

Backend Engineer & DevOps Specialist

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## PROFESSIONAL SUMMARY

Backend Engineer with 5+ years of experience building scalable microservices and distributed systems. Proven track record in designing high-performance APIs, implementing clean architecture patterns, and optimizing infrastructure for thousands of users. Strong expertise in cloud-native technologies and DevOps practices.

## TECHNICAL SKILLS

### Backend Development

- Languages : Python, TypeScript, Golang, Java, Bash
- Frameworks : NestJS, FastAPI, SpringBoot
- Databases : PostgreSQL, MongoDB, Redis

### Cloud & DevOps

- Containerization : Docker, Kubernetes (K3s, K8s, EKS, GKE)
- Infrastructure as Code : Terraform, Ansible, Helm
- Monitoring Observability : OpenTelemetry, Prometheus, Grafana, ELK Stack
- Cloud Platforms : Amazon Web Service (AWS), Google Cloud Platform (GCP)

### Security & IAM

- Tools : Trivy, SonarQube, OWASP Top10
- Identity Management : Keycloak, OpenFGA
- Compliance : SLSA Framework

### Certifications :

Kubernetes and Cloud Native Associate, AWS Cloud Practitioner, Google Cloud Digital Leader

## PROFESSIONAL EXPERIENCE

### KIAS | TALENTFINDR

Évry, Île-de-France, France

#### Lead Backend & DevOps (Contract)

Jul.2025 - Now

- Led backend team of 3 engineers, establishing code review standards and best practices
- Developed AI-powered recruitment agents, reducing candidate screening time by 60%
- Managed Kubernetes infrastructure with comprehensive DevSecOps pipeline
- Implemented observability stack (OpenTelemetry + Prometheus) reducing MTTR by 48%
- Cross-functional collaboration, driving alignment between engineering, product, and business teams.
- Improved and scale existing n8n workflows

Tech Stack : TypeScript, NestJS, PostgreSQL, Redis, Kubernetes, OpenTelemetry, Grafana, n8n

### GAMOK | MON AMI ALBERT

Casablanca, Morocco

#### DevOps & Backend Engineer (Full Time)

Jul.2024 - Juil 2025

- Built and maintained NestJS microservices with clean architecture
- Optimized DevOps strategies, improving infrastructure for thousands of users
- Enhanced observability with OpenTelemetry instrumentation, boosting performance monitoring
- Automated deployments with GitLab CI/CD, reducing deployment time from 20min to 4 minutes
- Built, and maintained, n8n workflows, to automate the

Tech stack : TypeScript, NestJS, MongoDB, Redis, Docker Swarm, OpenTelemetry, GitLab CI, n8n

- Deployed and managed a Kubernetes cluster, ensuring scalable & resilient deployments
- Reduced deployment downtime by 41% through the implementation of GitOps with ArgoCD
- Integrated OpenTelemetry, cutting debugging time on Node.js backends, and enhancing monitoring

**Tech stack :** TypeScript, NestJS, Python, MongoDB, Redis, Kubernetes, OpenTelemetry, n8n

## YAODEM

Lomé, Togo

### Software Developer (Full Time)

Apr.2019 - Sept.2022

- Built and maintained NestJS/FastAPI backends, documented with Swagger
- Automated CI/CD pipeline with GitHub Actions, accelerating deployments
- Implemented authentication and authorization system using JWT and role-based access control
- Collaborated with frontend team to design efficient API contracts and data models
- Implemented comprehensive testing strategy (unit, integration) achieving 80%+ code coverage

**Tech stack :** TypeScript, NestJS, Python, PHP, PostgreSQL, MongoDB, Redis,

## PERSONAL PROJECTS

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### Obscura | TypeScript | VueJs

(<https://obscura.denisakp.me>)

Built a client-side password generator built with TypeScript, VueJs 3 and Vite. It allows users to create strong, customizable passwords based on best security practices.

### Sentinel | Golang

(<https://github.com/denisakp/sentinel>)

I built **sentinel**, a cloud-native backup solution for SQL (PostgreSQL, MAriaDB, MySQL), and NoSQL (MongoDB) databases. It ensures secure, automated backups, offering reliability and simplicity for managing your data in the cloud and on-prem.

### PulseGuard | TypeScript | VueJs

(<https://github.com/denisakp/pulseguard>)

Built **PulseGuard**, an open-source monitoring tool for SSL certificates, domain expirations, TCP services, and cron jobs with alerting and status pages.

## EDUCATION

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### ESTEM, Casablanca, Morocco

Oct.2022 - July 2024

Master of Engineering, Software Engineering major

### ESGIS, Lomé, Togo

Oct. 2017 - Nov. 2020

Bachelor of Science, Software Engineering major