



DORIAN DINH XUAN

SENIOR DEVOPS ENGINEER



Linkedin
[@dorian-dinh-xuan](#)



Website
<https://doriandinhxuan.com>



Email
dorian.dinhxuan@gmail.com



Address
Warsaw, Poland



Degree
Bachelor of Engineering



Personal interests
Motorcycles, Traveling, Climbing



ABOUT ME

Senior Cloud & DevOps Engineer | AWS Specialist | Kubernetes & Terraform Certified | 9+ Years of International Experience

Passionate about Cloud Computing, Automation, and building scalable, resilient platforms. I help organizations modernize their infrastructure and accelerate software delivery through DevOps and Cloud-Native best practices.

With extensive experience across diverse industries including banking, finance, insurance, and tobacco. I have successfully designed and implemented cloud-native architectures that enhance performance, strengthen security, and optimize cost efficiency.



EDUCATION

Polish-Japanese Academy of Information Technology

Bachelor of Engineering in Animation 3D. | 2012 - 2017



WORK EXPERIENCE

Senior DevOps Engineer at Baracoda Group • Dec, 2022 - Present

@BConnect Platform

- Designed and implemented a multi-tenant architecture for an IoT microservices platform on AWS EKS, ensuring secure isolation, scalability, and efficient resource management.
- Leveraged Kubernetes namespaces, network policies, and custom Helm charts to enforce tenant boundaries and streamline deployments.
- Led AWS cost optimization initiatives, achieving a ~40% reduction in cloud expenses.
- Established a standardized AWS Organization using Control Tower, migrating existing accounts into a centralized structure to enhance governance and security.
- Managed Permission Sets and Organizational Units (OUs) for role-based access control.
- Integrated AWS Identity Center with Google Workspace (SSO via IDP) for centralized identity management.
- Provisioned and maintained ECS and EKS environments across Development, Staging, and Production.
- Contributed to the application migration projects to AWS using container orchestration (ECS/EKS).
- Implemented Karpenter for dynamic EKS scaling, improving performance and reducing costs.
- Built comprehensive CI/CD pipelines with CircleCI, automating end-to-end deployment workflows.
- Deployed and managed ArgoCD for GitOps-based Kubernetes application management.
- Deployed and automated HashiCorp Vault with Vault Secrets Operator, enabling dynamic secrets, policy automation, and seamless Kubernetes integration for secure, scalable secrets management.
- Developed custom Helm charts to standardize microservices deployments across tenants.
- Set up a full Prometheus Stack (Prometheus, Grafana, Loki, Promtail, AlertManager) to deliver observability and proactive alerting across infrastructure and applications.

@Ligue contre le cancer

- Designed and implemented networking architecture using VPCs, subnets, routing, and security groups to ensure secure and scalable infrastructure.
- Provisioned and configured core AWS services, including:
 - ECS Cluster (Fargate) for container orchestration.
 - S3 for object storage.
 - Amazon DocumentDB for managed database services.
 - AWS Cognito for authentication and identity management, including integration with Azure SSO.
- Managed secrets by implementing encryption and secure storage using AWS Secrets Manager.
- Configured AWS SES for transactional email services.
- Established a robust CI/CD pipeline using CircleCI to automate application build, test, Docker image creation, and deployment to ECS.

Senior DevOps Engineer at Emagine • Apr, 2021 – Dec, 2022

@ Philip Morris International

- Enhanced and modernized an existing AWS infrastructure to improve performance, security, and cost efficiency.
- Automated resource provisioning and scaling using Terraform Enterprise integrated with AWS Lambda for event-driven automation.
- Standardized operational workflows and documentation in Confluence, improving team collaboration and knowledge sharing.
- Achieved significant cost savings through resource right-sizing, performance tuning, and continuous cloud monitoring.
- Developed a Python-based automation framework to streamline firewall rule provisioning for Palo Alto devices.
- Integrated Jira ticket parameters to auto-generate and apply firewall configurations, significantly reducing manual workload.
- Ensured consistent enforcement of network security policies while accelerating rule deployment.
- Reduced operational overhead by centralizing rule updates and maintaining detailed documentation.
- Provided training and knowledge transfer to operations teams for sustainable, long-term maintenance.

DevOps Engineer at Webellian • Mar, 2017 – Mar, 2021

@Allianz Technology

- Contributed to the migration of infrastructure and a monolithic application from on-premises systems to AWS Cloud, delivering a scalable, secure, and highly available environment.
- Utilized AWS Database Migration Service (DMS) to efficiently migrate databases and modernize application components for cloud compatibility.
- Contributed to the design and deployment of secure, scalable cloud environments using Infrastructure as Code (IaC) with Terraform.
- Configured AWS networking and security components, including VPCs, VPNs, subnets, route tables, peering connections, internet gateways, NAT gateways, network ACLs, and security groups.
- Collaborated with the team to implement comprehensive monitoring, logging, and alerting solutions using AWS CloudWatch, SNS, Grafana, and the ELK stack.
- Developed and optimized reusable Terraform modules to standardize and accelerate infrastructure deployments.
- Built automated deployment pipelines leveraging GitLab CI, Terraform, Ansible, and Packer for efficient service provisioning on AWS.

@Frisco

- Contributed to the architecture and deployment of a highly scalable AWS microservices infrastructure supporting a high-traffic grocery chain, collaborating with senior engineers to ensure reliability, scalability, and performance.
- Built a resilient network setup, including subnets, route tables, internet/NAT gateways, network ACLs, and peering connections.
- Ensured secure access to private instances via bastion hosts, following AWS security best practices.
- Implemented a CI/CD pipeline using Jenkins for seamless ECS Fargate deployments integrated with Amazon RDS.
- Automated infrastructure provisioning and management with Terraform, enhancing deployment speed, consistency, and reliability.

@Open Routing

- Contributed to the design and implementation of AWS network architecture, including VPCs, subnets, route tables, internet gateways, NAT gateways, network ACLs, and peering connections, while collaborating closely with senior engineers to ensure adherence to best practices and scalability.
- Established secure access to private instances via bastion hosts.
- Deployed and configured a Jenkins server to streamline CI/CD processes.
- Leveraged ECS Fargate alongside Amazon RDS for scalable container orchestration and reliable data storage.
- Provisioned and automated the entire infrastructure using Terraform.

Junior PHP Developer at Open Finance SA • Nov, 2015 – Sep, 2016

- Designed and developed a banking document generation module within the Credit Application Generator, utilizing PHP and PostgreSQL.



TECHNICAL SKILLS

- **Containerization:**
 - Docker
 - Kubernetes
 - Amazon Elastic Kubernetes Service (EKS)
 - Amazon Elastic Container Service (ECS)
 - Helm
- **GitOps:**
 - ArgoCD
 - ArgoCD Image Updater
- **Infrastructure as Code & Configuration as Code:**
 - Terraform
 - Terragrunt
 - Ansible
- **Continuous Integration, Delivery, and Deployment (CI/CD):**
 - CircleCI
 - GitHub Actions
 - Jenkins
 - GitLab
- **Cloud Computing (AWS)**
 - VPC, TGW, EC2, S3
 - EFS, RDS, DynamoDB, DocumentDB
 - ElasticCache, ELB, ECS, EKS
 - Lambda, Route 53, CloudWatch, IAM
 - ACM, Cognito, Secrets Manager, KMS
 - SES, SNS, SQS, DMS
- **Databases & Storage:**
 - MySQL
 - PostgreSQL
 - MongoDB
- **Secrets Store:**
 - Vault
 - Vault Secrets Operator
 - Secrets Manager
- **Version Control & Repositories:**
 - Git
 - Github
 - BitBucket
- **Monitoring & Observability:**
 - Grafana
 - Prometheus
 - Thanos
 - Loki
 - PromTail
 - Alert Manager
 - Fluentd
- **Programming & scripting:**
 - Bash
 - Python
- **Infrastructure & DevOps Tools:**
 - Karpenter
 - Vagrant
 - Packer
 - TFsec
 - TFLint
 - Reflector
- **Project Management & Collaboration:**
 - Jira
 - Confluence
 - Slack



SOFT SKILLS

- **Problem Solving & Critical Thinking**
 - Quickly diagnosing and resolving complex issues in distributed systems.
- **Collaboration & Cross-Functional Communication**
 - Working closely with development, operations, security, and business teams in a multinational environment, collaborating across diverse cultures and backgrounds.
- **Time Management & Prioritization**
 - Efficiently managing tasks and deadlines in fast-paced, multi-project environments.
- **Ownership & Accountability**
 - Taking full responsibility for CI/CD pipelines, infra, and deployments.
- **Adaptability & Continuous Learning**
 - Always learning new technologies and improving skills to keep up with the changing DevOps world.
- **Mentorship & Knowledge Sharing**
 - Supporting teammates' growth through mentorship, knowledge sharing, and helping them continuously improve.



CERTIFICATES

- **AWS Certified DevOps Engineer** – Professional
- **AWS Certified Solutions Architect** – Associate
- **Certified Kubernetes Application Developer (CKAD)**
- **HashiCorp Certified: Terraform** – Associate



LANGUAGES

- Polish: Native
- English: B2