Personal details

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Skills

MySQL	●●●●●
Spring Boot	●●●●○
DevOps	●●●●○
Docker	●●●●○
Podman	●●●●○
Cloud Native Architecture	●●●○○
Robotics	●●○○○
Kubernetes	●●●●○
DevSecOps	●●●○○
Database Administration	●●●●○
Kubernetes Clusters	●●●●○
Apache Kafka	●●●○○
Jenkins	●●●●○
ArgoCd	●●●●○
FluxCd	●●●●○
Gitlab CI	●●●●○
Linux System Administration	●●●●○
Android	●●●●○
Kotlin	●●●●○
Laravel framework	●●●●○

Jonas Kaninda

DevOps/SR Engineer | Certified Kubernetes Administrator | Terraform Associate | GitOps Certified | Certified Expert for Istio | Jenkins | Docker Swarm | ArgoCd | FluxCd | Prometheus | Linux SysAdmin | Golang | Android Kotlin | Microservices | Laravel

Profile

I'm a software engineer with +5 years of professional experience in Software development and years of experience in Kotlin, Laravel, MySQL, Postgres, Spring Boot, Linux SysAdmin, DevOps, Docker, and Kubernetes.

Passionate about OpenSource and containerizing applications, my current focus is in the areas of Microservices, API Frameworks, Cloud Native Architecture, Kubernetes, DevOps, DevSecOps, Site Reliability, GitOps practices, and GitOps practices.

Experienced Software Developer with expertise in design, installation, testing, continuous deployment, and maintenance of software systems.
Experienced with cutting-edge development tools and procedures.
Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

Employment

Linux/Kubernetes Consultant | Freelance   **Dec 2023 - Feb 2023**
Institut Curie/Hays France, Paris/France
- Using Gitlab CI to perform builds and testing
- Installing and configuring ArgoCd to manage multiple Kubernetes clusters to use GitOps as a practice and deployment mode.
- Using External Secret Operator in Argocd to retrieve secrets from Vault in Kubernetes
- Reorganization of Kubernetes deployments by combining Helm Charts and Kustomize to manage several environments such as (dev, test, pre-prod, and prod)
- Installing Kubernetes cluster using K3s
- Upgrading Kubernetes Clusters
- Deploying applications to Kubernetes clusters using ArgoCd
- Installing and configuring Longhorn as provisioning storage in Kubernetes
- Developed tools (Docker, Kubernetes) for database backup and restoration to Object Storage (Isilon Object Storage) using Golang.
- Creation of CronJob Kubernetes for database backup to Isilon external storage.
- Daily ticket processing

DevOps Engineer   **Sep 2023 - Dec 2023**
Adservio Group, Paris
- Updating and deploying Jenkins in Docker
- Automated build and test of Spring boot applications with Jenkins
- Installation and configuration of Datadog for cluster monitoring

Skill	Level
REST API	●●●●●
PHP	●●●●●
Microservices	●●●●●
Redis	●●●●●
Java	●●●●●
GIT/ GITHUB	●●●●●
Linux	●●●●●
CentOS	●●●●●
UNIX platforms	●●●●●
Github action	●●●●●
Jira	●●●●●
Docker Swarm	●●●●●
Traefik	●●●●●
Nginx	●●●●●
API Gateway	●●●●●
Cpanel	●●●●●
cloud	●●●●●
open source	●●●●●
Git	●●●●●
Maven	●●●●●
Continuous integration	●●●●●
Continuous delivery	●●●●●
Gitlab	●●●●●
Video Streaming	●●●●●
AWS	●●●●●
S3	●●●●●
LAMP	●●●●●
Ubuntu Server	●●●●●
web applications	●●●●●
Apache	●●●●●
Data Migration	●●●●●
FTP	●●●●●

DevOps Engineer   Aug 2022 - Aug 2023

Smart CyberSpace Inc, Ontario/Canada

- Coordination experience with various teams like Dev and Production Operations.
- Configured and deployed service mesh using Istio
- Deployed Microservices using Istio
- Involved in documentation and code deployment automation project documents.
- Troubleshoot any issues generated while building, deploying, and in production support.
- Coordinate with the Development, Database Administration, and IT Operations teams to ensure there are no resource conflicts.
- Good Interpersonal Skills, team-working attitude, takes initiative and very proactive in solving problems and providing the best solutions.
- Software project manager. System Administrator. Managed Kubernetes Clusters in the development and production environment.
- Worked with Apache Kafka.
- Worked in working with CI/CD tools like Jenkins, ArgoCd, FluxCd, Github action, and Gitlab CI.
- Deployed apps on Kubernetes cluster using ArgoCd and FluxCd.
- Managed Kubernetes cluster deployments using ArgoCd.
- Automated Kubernetes deployments images using ArgoCd image updater.
- Automated Kubernetes cluster installation using Ansible
- Automated Kubernetes deployments images update notifications to notify through Slack, email, or Telegram using ArgoCd notifications.
- Deployed Microservices apps using Istio mesh service
- Used Istio mesh service to secure Microservices in Kubernetes Cluster
- Configured and deployed Nginx as Microservices API Gateway
- Managed and developed Microservices apps with Java Spring boot
- Deployed Redis using Hight availability architecture.
- Installed and configured Kubernetes cluster with K3s using Hight availability architecture.
- Deployed apps on Kubernetes cluster with ArgoCd using Argo Rollouts deployments.
- Designed and implemented highly available and scalable Kubernetes clusters for multiple applications
- Automated deployment pipelines using Gitlab CI/CD and Jenkins for microservices architecture
- Migrated on-premises infrastructure to AWS, implementing IaC using Terraform and Ansible.
- Configured and maintained monitoring and logging systems using Prometheus, Grafana.
- Worked with development teams to implement DevOps best practices, including continuous integration and delivery, infrastructure as code, and automation.

DevOps Engineer   Feb 2022 - Jul 2022

ISPVIP (PTY) LTD, Johannesburg, Gauteng, South Africa

- Developed Web app using PHP/Laravel.
- Installed Cpanel for managing the Server.
- Developed Web app using Java Spring boot.
- Installed and configured Docker for the production environment with Swarm container Orchestration.
- Proficient in all aspects of software life cycle like Build/Release/Deploy and specialised in cloud automation through open source DevOps tools

Skill	Level
Rsync + SSH	●●●●●
Firewall	●●●●○
System Administration	●●●●○
Back-End Web Development	●●●●○
PostgreSQL	●●●●●
Android Development	●●●●○
GitOps	●●●●○
Ansible	●●●●○
Apache Kafka	●●●●○
Grafana	●●●○○
Terraform	●●●●○
Istio	●●●●○
Envoy	●●●●○
Kiali	●●●○○
GCP	●●●●○
Prometheus	●●●○○
Digital Ocean	●●●○○
REST API Security	●●●●○
Sonar	●●●○○
Velero	●●●●○
Longhorn	●●●●○
Gitlab EE & CE	●●●●○
Drone CI	●●●●○
Gitness	●●●●○
Harness CI/CD	
Azure	●●○○○
Datadog	●●●○○
ELK	●●●○○
OpenEBS	●●●●○
Stackgres	●●●●○
MetalLB	●●●●○
K3s	●●●●○

like Java, Git, Maven, Jenkins, and Docker.
- Experience in designing and implementing continuous integration, continuous delivery, and continuous deployment through Jenkins.
- Experience in deployment and updating of the application using Jenkins in Docker Swarm.
- Worked in supervising interns teaching them different technologies (Java Spring boot, API Rest, Working as a team on a project using Gitlab, Bitbucket).
- Trained Afrika Tikkun students on Build Rest API with Java Spring boot and How to work as a Team on a project using SCM tools like GitHub and Bitbucket
- Worked with development teams to implement DevOps best practices, including continuous integration and delivery, infrastructure as code, and automation.

DevOps Engineer/ Java Spring boot developer   **Apr 2021 - Jan 2022**
Speedma LLC, New York/USA
- Worked as a team on Microservices project using Java Spring boot Worked on Video Streaming with * Spring boot using AWS S3 as storage.
- Worked on different Microservices modules Worked with Kafka Consumer/Producer in Spring boot project
- Deployed Java Spring Boot project on Swarm using Jenkins
- Automated docker image build using Jenkins
- Configured and installed Nginx Proxy Manager in Docker Swam
- Deployed Microservices apps on Docker swarm
- Installed Docker using Ansible
- Developed Storage service to store and manage all Microservices media files
- Configured and setup Rocky Linux using Ansible
- Worked with development teams to implement DevOps best practices, including continuous integration and delivery, infrastructure as code, and automation

DevOps Engineer   **Sep 2019 - Mar 2021**
SmirlTech, Lubumbashi/DR Congo
- The project involved the usage of maintaining the repository and version control.
- Worked in Development teams under various roles such as Designer, Developer, and Group Leader. Experience in Android development with Kotlin.
- Worked with PHP development using Laravel framework.
- Strong understanding of common API technologies, such as OAUTH, Spring Boot, PHP/Laravel, and Microservices. Worked with Redis on PHP and Java Microservices projects.
- Experienced with Source Code Management (SCM) tools like GIT/ GITHUB, BITBACKET, GITLAB.
- Worked on Docker compose to schedule multiple containers and wrote compose.yml files to configure and scale multiple application services.
- Experience in Systems Administration (Installation, Configuration, Tuning, and Upgrades of Linux (Ubuntu,CentOS, Rocky Linux), UNIX platforms. Worked in working with CI/CD tools like Jenkins, ArgoCd, FluxCd, Github action, Gitlab CI, and Jira.
- Worked with Github action for building docker image and deployment of application in production environment.
- Experienced in building Microservices with PHP/Laravel, and Java Spring boot. Implemented Kafka Custom encoders for custom input format to

Skills

Skill	Level
Golang	●●●○○
Crossplane	●●●○○
Vault	●●●●○
Teleport	●●●●○
Keycloak	●●●●○
Redis	●●●●○
Rancher	●●●●○

Languages

Language	Level
English	●●●○○
French	●●●●●

load data into Kafka Partitions. Worked with Kafka Consumer/Producer in PHP/Laravel on Microservices project.

- Developed apps with Spring boot.
- Experienced in VPS Technologies.
- Experienced in VDS Technologies.
- Worked as Linux System Administrator.
- Proficient in Docker Swarm.
- Deployed Applications on Docker Swarm.
- Worked with Traefik as reverse proxy on Docker Swarm.
- Worked with Nginx Proxy manager as reverse proxy on Docker Swarm. Proficient in deploying applications on Docker Swarm.
- Worked with Nginx as API Gateway on Microservices projects.
- Installed and configured Docker on CentOS/Rocky Linux for production using Ansible
- Developed Microservices using PHP/Laravel
- Built Docker images using GitHub action
- Built Docker images using Jenkins

Linux System Administrator/ Android & web developer   **Sep 2017 - Sep 2019**

jkanTech, Lubumbashi/DR Congo

- Developed mobile app using Kotlin.
- Developed Web app using Laravel.
- Worked on different projects using Laravel, and Kotlin.
- Installed and configured the LAMP Stack architecture on Ubuntu Server for highly available and scalable web applications: Linux Apache, MySQL, and PHP.
- Installed and configured a Linux server on CentOS highly available and scalable web applications: Nginx, PHP, MySQL, Postgres.
- Installed CentOs Web Panel for managing the server.
- Installed and configured the LAMP Stack architecture on Ubuntu Server for highly available and scalable web applications: Linux, Apache, MySQL, PHP Supported Data Migration in varying ways covering: SCP, FTP, Rsync + SSH. Security patching: configured Firewall access for IP Addresses, port numbers, and Applications.

Software Developer   **Jan 2017 - Aug 2017**

Business Consult for Progress, Lubumbashi/DR Congo

- Developed mobile app using Kotlin Developed Web app using Larva/PHP Worked on different projects using Laravel, Kotlin.
- Installed and configured the LAMP Stack architecture on Ubuntu Server.

Certificates

HashiCorp Certified: Terraform Associate (003)   **Aug 2023**

HashiCorp Certified: Terraform Associate (003)
Link

Certified Kubernetes Administrator - CKA   **Dec 2022**

Certified Kubernetes Administrator by Linux Foundation
Link

Certified Expert for Istio   **Feb 2023**

Link

Intermediate for Istio   **Jan 2023**
Certified Intermediate for Istio by Solo.io
Link

Fundamentals for Istio   **Jan 2023**
Certified Fundamentals for Istio
Link

Argocd GitOps Certified   **Dec 2022**
Certified ArgoCd GitOps by Codefresh
Link

NGINX and OpenShift   **Sep 2022**
Link

Fundamentals for Istio Ambient Mesh by   **Feb 2022**
Solo.io
Link

DevOps with AWS   **Apr 2023**
LinkedIn

Introduction to Continuous Delivery and   **May 2023**
GitOps using Argo CD
AKUITY
Link

Datadog Foundation   **Nov 2023**
Datadog

Datadog Developer   **Nov 2023**
Datadog

Education

Bachelor of Engineering - BE, Industrial   **2017 - 2020**
Technology and Electronics
Institut Supérieur Pédagogique et Techniques.(ISPT), LIKASI/Haut-Katanga

Cycle Préparatoire intégré   **2016 - 2017**
Institut Supérieur Pédagogique et Techniques.(ISPT), LIKASI

Diplôme d'étude secondaire en Électricité   **2010 - 2015**
Générale
Institut Technique Industrielle du Sacré-Cœur, LIKASI

Courses

Android & Kotlin | Apps Next Gen and   **2019**
Architecture Components

Certified Kubernetes Administrator (CKA)   **2022**
with Practice Tests

Docker Mastery: with Kubernetes +Swarm   **2021**
from a Docker Captain

Kubernetes Mastery: Hands-On Lessons From A Docker Captain   **2022**

Linux Foundation Certified System Administrator LFCS   **2022**

Ultimate AWS Certified Cloud Practitioner   **2022**

Hacking Ethics   **2019**

Ultimate AWS Certified Cloud Practitioner   **May 2023**

HashiCorp Certified: Terraform Associate - Hands-On Labs

References

References available upon request.