

Reda Zaza

@ z.reda@outlook.com

289-221-5283

Toronto, ON, Canada

DevOps | Kubernetes | GCP | AWS

Back-End | API | Python | GoLang

Cloud Native | Microservices | DDD | Design Patterns

Linux Administrator | Expert In Web Technologies

Versatile DevOps manager with over 9 years of experience in programing, software architecture, Linux administration and cloud computing. Analitical, committed, persitent individual and reliable team member. continuously learning and acquiring new knowledge and skills. Experience in building different project using a wide range of technologies and tools,

Experience

Paradigm Electronics / Anthem / MartinLogan

Technical Manager and DevOps Engineer.

Mississauga, ON Canada

01/2019 - present

- Mentor and Lead a team of developers towards successful project accomplishments.
- Provide Consulting, Coaching & Team Leading services on all aspects of software development including Best Practices, Design Patterns, Methodologies, Frameworks and Application Lifecycle Management.
- Introducing the DevOps culture in the company.
- Serving as a technical mentor for other departements.
- Initiating architectural discussions and assisting in architectural decisions.
- Migrated all Cloud services from AWS to GCP.
- Manage, monitor and maintain multiple GCP projects.
- Designed, built, managed, and provisioned GCP Kubernetes clusters (Standard and Autopilot) and services using best practices and concepts to ensure stability and reliability.
- Built and maintained a cloud DevOps pipeline using GCP Cloud Build triggers, Source Repository, Container Registry and GitHub.
- Transitioning from a monolithic architecture to microservices, distributed systems and event driven architecture.
- Creating the components and process to automate every project's environment and deployment pipeline.
- Reduced operating costs by making every component in the infrastructure scalable and using efficient tools and programing languages (Golang and Node.js).
- Architected and built 6 web applications to extend the main ERP.
- Aggregate all on-promise infrastructre logs in Elasticsearch and used Kibana for visualization.
- Aggregate all cloud native apps logs in GCP StackDriver.
- Managed KVM servers after migrating them from Vmware VSphere.

Paradigm Electronics / Anthem / MartinLogan

Back-End Developer and AWS Cloud Practitioner

Mississauga, ON Canada

10/2017 - 2019

- Selecting the appropriate AWS Service based on data, Compute, Database or Security requirements and assigning IAM roles to individual users and groups.
- Responsible for planning, implementing, and Deploying services in AWS.
- Conduct independent analyses and reviews of technical and business requirements.
- Indexing all Searchable data (products information, sales and dealers data) in Elasticsearch using Logstash.
- Rebuilt 4 high traffic E-commerce websites using Symfony 4.
- Developed 6 API services for the main ERP system using Python 3 and Fast API.
- Deployed Nagios to monitor all on-premise, Cloud Servers/Services and Websites.
- Setting up and managing backups and disaster recovery policies.
- Developed and maintained scripts for deployment automation to multiple environments.
- Remaining up to date on emerging technologies and architecture and propose ways to use them in current and upcoming projects.

Tools and Technologies used during my experience at Paradigm Electronics:

- AWS EC2 with AWS Linux 2 for all Cloud Servers, S3 for backups, CloudFront, ECS, SE..
- Kubernetes, Helm, Minikube and Skaffold, Jenkins, Docker and Dockerhub.
- Git and Github.
- PHP 7.3, Symfony 4.3 and Fast API.
- Python and Shell for Scripting and Automation
- Redhat 7.
- VMware Vsphere.
- GlusterFS and Heketi.

Computer Support Experts

Mississauga, ON Canada

Hosting Platform Manager (Linux) / Back-End Developer

01/2016 - 10/2017

- As a Hosting Platform Manager, my main tasks are to manage, support, and provide guidance for systems running web applications.
- Making sure that all modules and software's dependencies are installed and well configured. Manage customers DNS Zones, email services and domain registrars.
- Coordinating continuously with the development team in order to keep the software and its environment up to date.
- Implemented Virtualization using VMware VSphere 6 to reduce the Physical Nodes.
- Remain committed to detect new technologies and solutions and introduce them to the company; in which way it helped the company build up an agile development environment.
- Responsible of migrating couple of software developed in FoxPro and c++ web using Symfony in order to make it more flexible and open to third parties (Point of sell, Accounting Software, Government Services).

Tools and Technologies used during my experience at Computer Support Experts:

- OVH and Microsoft Azure for Cloud services.
- RedHat and Centos 7 for Web Hosting and Virtualization.
- MySQL/Mariadb 5.5 and 5.7 with replication(Galera) and MySQL Clustering.
- PHP 5.6 and 7 with PHP FPM.
- Symfony 3 for all web backends, Django for APIs.
- VMware Vsphere 6 ESXI for virtualization.
- WHM / CPANEL for Web Hosting Management.
- CDN (OVH and CloudFlare).
- Git/GitHub.
- Nginx as webserver and/or proxies.
- HAProxy and Keepalived for load balancing.
- Varnish for caching all web apps/websites.
- Docker for Containers (Test Environment).
- Shell/Python for automation and scripting.
- GlusterFS/Heketi, NFS and iSCSI for storage.

AKWA Group

Casablanca, Morocco

LAMP Stack Developer

08/2014 - 10/2016

- Analyze, code, test, deploy, maintain, and troubleshoot all web platform components programs and applications.
- Coordination in project activities and ensure that all project phases are followed and documented properly.
- Thorough knowledge of integrating dynamic data feeds and database content into web pages.
- Worked in integration of REST & SOAP Web Service and MVC architecture application.
- Maintained high quality of code by utilizing code reviews and by performing manual/automated testing on all components.
- Rebuilt 7+ Apps/Website from scratch using Symfony 2.8.

Tools and Technologies used during my experience at AKWA Group:

- Symfony (Doctrine, Twig, FOS Bundles) 2.8.
- PHP 5.6.
- MySQL 5.5 with replication.
- Elasticsearch 1.7 for search indexing.
- Linux Server Centos 6, for Web Hosting.
- OVH CDN.
- Microsoft Azure Cloud.
- Git/GitHub.
- Apache, Nginx and Varnish as webserver and cache proxies.
- HAProxy for loadbalancing.

Lavieeco

Casablanca, Morocco




LAMP Stack Developer

02/2012 - 08/2014


- Integrated new custom functionality to the API using Laravel Framework
- Moved all on-promese servers to OVH.
- Rebuilt the main web platform using:
 - Php Symfony 2 for backend.
 - FOSRestBundle for REST API.
 - MariaDB/Galera as a Database Engine.
 - Nginx for webserver and Varnish for Caching.
 - Linux Centos 6 and Debian 5 (lenny).
- Implemented Apache Solr to speed up the search functionality in the local Articles/Press information System.

EDUCATION / CERTIFICATIONS

Education:

- 2013  [Master in E-commerce Information System](#) , University of Bourgogne (Dijon / France)
- 2012  [Bachelor in Information Systems](#), IGA Rabat (Rabat / Morocco)
- 2009  [College Diploma degree in Management and Information Systems](#), IGA Rabat (Rabat / Morocco).

Certifications:

- 2020  [Linux Foundation: Advanced Cloud Engineer Bootcamp](#). (Training & Certification)
- 2016  [LPIC-3 300: Linux Enterprise Professional - Mixed Environment](#). (Training & Certification)
- 2016  [LPIC-2: Linux Engineer](#). (Training & Certification)
- 2016  [LPIC-1: System Administrator](#). (Training & Certification)
- 2015  [Symfony 2](#) (Training & Certification)

Additional Skills

- Team player, able to work among a team and brainstorming together. If needed can easily take the lead on a situation and convince my teammates for the best.
- I adapt easily to any new environment.
- Multitasking and know how to prioritize tasks depending on their importance.
- Respect deadlines and can work on a fast paced environment.
- Face challenges with enthusiasm.
- Bilingual English/French