

# RIDVAN ALTINOVA

## Cloud & DevOps Engineer, System Administrator

Geneva, Switzerland

E-mail : [r.altinova253@gmail.com](mailto:r.altinova253@gmail.com)

LinkedIn : [Profil LinkedIn](#)

GitHub : [Compte GitHub](#)

Téléphone : +41 779913468

Adresse : Genève, Suisse

## PROFILE SUMMARY

---

With over **5 years of experience** in the **IT industry**, primarily focused on **Cloud technologies** and **DevOps**, I am passionate about the **secure automation of IT processes**. My expertise includes the **design and implementation of secure CI/CD pipelines**, along with strong proficiency in **containerization, orchestration, monitoring, infrastructure automation, configuration management, and vulnerability management**. Thanks to my multidisciplinary background, I approach challenges with a holistic perspective.

## Core Skill

---

- **DevOps:** Kubernetes, Docker, Helm, Terraform, Ansible, Git, GitHub, GitLab, Jenkins, Maven, Prometheus, Grafana, Python, Bash, SQL, Boto3, Linux, Shell Scripting, HTML, CSS, Apache, Nginx
- **Cloud & Cloud Services:** AWS, IAM, EKS, ECR, CloudFormation, CloudWatch, CloudTrail, LightSail, EC2, DynamoDB, API Gateway, Lambda, Route 53
- **System Administrator :** Operating Systems, System Monitoring & Performance, Networking, Backup & Recovery, Security & Hardening
- **Cryptography Systems :** Cryptography & Information Security, Secure Systems Administration, Network Security & Threat Management, Compliance & Standards Incident Response & Forensics, Communication Security
- **Personnel Management & SAP :** Personnel Administration & HR Operations, SAP User Experience, Data Management & Reporting, Military Procedures & Regulatory Compliance.

## Professional Experience

---

### Freelance (AWS) & Devops Engineer, Geneva, Switzerland (03.2023– PRESENT)

- **Specialized in designing and implementing CI/CD pipelines** with a fully automated approach using **GitLab and Jenkins**, leveraging containerization and orchestration tools such as **Kubernetes and Docker**, as well as configuration management tools like **Ansible**.
- **Actively utilizing Infrastructure as Code (IaC) tools** such as **Terraform** and **CloudFormation** to automate, manage, and provision infrastructure across **AWS and other cloud providers**.
- **Expertise in containerization and orchestration**, managing large-scale containerized workloads, optimizing deployment strategies, and ensuring high availability using **Helm and Kustomize**.
- **Managing networking and cloud services** including **AWS services (EC2, IAM, EKS, ECR, Route 53, API Gateway, Lambda, DynamoDB)** to optimize infrastructure efficiency and scalability.

- **Version control and collaboration** using **Git, GitHub, and GitLab**, following best practices in branching strategies, CI/CD workflows, and collaborative development.

#### System Administrator,Turkey (09.2019-04.2021)

- Managed **Linux (Ubuntu, RedHat)** and **Windows Server** environments, ensuring system stability, security, and optimization
- Monitored and optimized **system performance**, conducting tuning, resource allocation, and troubleshooting.
- Implemented **networking solutions** (TCP/IP, DNS, DHCP, VPN, Routing & Switching) for seamless connectivity.
- Used **network diagnostic tools** (ping, traceroute, netstat) to resolve network issues.
- Developed **backup and disaster recovery strategies** to ensure data integrity and continuity.

#### Cryptography Systems NCO ,Turkey (09.2009-04.2021)

- **Cryptography & Information Security:** Expertise in **encryption algorithms** (AES, RSA, DES), **key management**, **digital certificates**, and **PKI**. Proficient in **SSL/TLS**, **IPSec**, and **VPNs**.
- **Secure Systems Administration:** Experience in configuring and managing secure communication systems, operating systems, and networks, applying cryptographic tools to enhance security.
- **Network Security & Threat Management:** Hands-on with **VPN setup**, **Firewalls**, **IDS/IPS**, and network traffic analysis to mitigate threats and ensure secure environments.
- **Compliance & Security Standards:** Adherence to **military-grade security protocols** and standards like **NATO**, **ISO 27001**, and **FIPS**, including **risk assessments** and vulnerability management.

## Project Experiences

---

#### Petclinic Web Application (November - 2023) Clarusway-U.S.

- A fully automated **microservices application** is employed. The **Dockerized Web Application** is developed using **Java Spring Boot** and **Spring Cloud Frameworks** and is seamlessly integrated with a **MySQL database**. The objective of the project is to establish comprehensive **microservices**, **CI/CD pipelines**, and deploy them onto a **Kubernetes cluster** with **monitoring capabilities**. **Jenkins** serves as the **CI/CD automation tool**, orchestrating the entire infrastructure setup on **AWS EC2 Service**. Throughout the entire process, **GitHub** is utilized as the **version control system**. Base branches, specifically **main**, **dev**, and **release**, are established to facilitate the **DevOps cycle**.

### Phonebook Microservice Web Application (September - 2023) Clarusway-U.S.

- The objective of the **Phonebook Microservice Web Application** is to develop a web application utilizing **Docker** and **Kubernetes**, leveraging a **MySQL Database** to illustrate the principles of **Microservices architecture**. This application comprises both a **frontend service** and a **backend service**, both interacting with a dedicated **database service**. Each of these services is orchestrated by a **Kubernetes deployment**. Acting as the application gateway, the **backend service** facilitates web pages for **create, delete, and update operations**, while the **frontend service** focuses on providing a **search page for read operations**. To ensure **data persistence** in the database, the concepts of **persistent volume** and **persistent volume claim** are implemented.

### Blog Page Application (June - 2023) Clarusway-U.S.

- An **AWS Cloud Infrastructure** hosts a web application developed using the **Django Framework**, serving as a deployed **Blog Page Application**. The infrastructure is composed of an **Application Load Balancer (ALB)** coupled with an **Auto Scaling Group (ASG)** managing **EC2 instances**. A **Relational Database Service (RDS)** is configured within a defined **Virtual Private Cloud (VPC)**, complemented by additional services such as **S3**, and **DynamoDB**. Furthermore, **CloudFront** and **Route 53** services play integral roles in the architecture.

### Military System Installation and Management (08.2013-07.2017) Turkish Air Force

- In this project, I was responsible for the **installation and management of a military system** on **Linux-based servers**. I ensured **secure and efficient operation** through **server setup, software configuration, and network management**. I handled **user account management, connectivity troubleshooting, and user coordination**. Additionally, I performed **system maintenance**, including **updates, security monitoring, performance analysis, and managed backup and data integrity** processes to ensure **high availability and network security**.

## Education&Certifications

---

- **AWS&Devops Engineer** (2023–2024)- Clarusway, USA
- **Anadolu University, Department of Business Administration** (2009 -2012),Turkey
- **Turkish Air Force Non-Commissioned Officer School** (2007-2009),Turkey
- **UAV-Unmanned Aerial Vehicle Pilot Certificate** (21.11.2024) SHGM,Turkey
- **French (B1)- English (B1)- Turkish (Native)**

## Volunter Experience

---

### IT Specialist - Action for development, Geneve,Switzerland (03.2024– 03.2025)

- As an **IT Specialist Volunteer**, I ensured the smooth operation of the **information management system**, providing support for troubleshooting, web design, updates, and maintenance. I worked **on-call**, offering IT support as needed, and submitted regular **progress reports** detailing activities and progress towards objectives.

## Additional Information

---

- Committed to continuous learning and professional growth.
- Actively expanding professional network to increase visibility in the Swiss job market.
- Enthusiastic about tackling complex challenges and delivering innovative solutions.

## Hobbies

---

- **Volleyball Refereeing** – 7 years of experience as a volleyball referee.
- **Basketball Refereeing** – 2 years of experience as a basketball referee.
- **Chess** – Playing chess regularly to enhance strategic thinking, problem-solving, and concentration skills.
- **Fitness** – Working out regularly to stay in shape and maintain mental clarity.