

IRFAN MIRAL

DevOps Engineer | Systems Engineer | Linux System Engineer

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Personal Profile

Senior Systems and DevOps Engineer with over 15 years of experience in the IT sector. Technical background includes the management of core infrastructure and the implementation of DevOps practices across various industries, including tourism, hospitality, healthcare and the public sector.

Expertise is focused on leading technical teams and the optimization of complex workflows. Proven results have been delivered in terms of system stability and the creation of scalable solutions that align with specific business requirements.

Based in Munich, Germany. Proficient in English. Available for immediate contribution to technical operations.

Languages

English: Fluent

Technical Skills

DevOps & Automation: Docker, LXC, Kubernetes, GitLab-CI, Ansible, Terraform (IaC), Monitoring (Prometheus, Grafana, ELK Stack), Configuration Management, Incident Response

Cloud & Virtualization: AWS, GCP, Azure, OVH, Contabo, Proxmox, Hyper-V, VMware, Nextcloud

Networking & Mail Services: Postfix, Exim4, Dovecot, BIND, PowerDNS, Cloudflare DNS, Amazon Route53, Networking Protocols, Security Best Practices, Mailcow, Postal

Databases & Caching: PostgreSQL, MySQL, MariaDB, MSSQL, Redis, Memcached, RabbitMQ

Web Servers & Control Panels: Apache, Nginx, OpenLiteSpeed, HAProxy, Traefik, cPanel, CyberPanel

Storage: MinIO S3, CEPH

Big Data: Hadoop

Marketing & Data: SEO, Google Ads, Google Analytics, Mautic

Communication & Support: Openfire XMPP, Chatwoot, Evolution API

Languages: PHP, HTML/CSS, JavaScript, SQL, Bash, Python

Operating Systems: Linux (Debian, Ubuntu, CentOS, Fedora, Mint, Almalinux), Windows, macOS

Professional Experience

Utechsoft, Inc.

DevOps Engineer & IT Specialist

2019 – Present

USA

- Engineered and managed cloud and bare-metal infrastructure on **AWS**, **OVH**, and **Contabo**, optimizing cost and performance for client services.
- Implemented comprehensive containerization with **LXC on Proxmox** to host critical applications, including **MariaDB Galera**, **PostgreSQL**, **RabbitMQ**, and **Redis clusters**.
- Deployed and maintained a diverse stack of web applications, including a custom e-commerce SaaS platform and WordPress sites, using technologies like **OpenLiteSpeed**, **Nginx**, and **HAProxy**.
- Authored custom **Dockerfiles** to create optimized and smaller-sized container images for both internal use and client deployments, improving efficiency.
- Developed and maintained **CI/CD pipelines** with **GitLab CE**, automating deployments to ensure rapid and reliable delivery.
- Managed a centralized communication and support stack with **Nextcloud**, **Chatwoot**, and **Mautic** for collaboration, live support, and marketing automation.
- Established robust monitoring and automation using **Prometheus**, **Grafana**, **Ansible**, and **Terraform** to proactively manage infrastructure.
- Provided direct technical support for clients, troubleshooting and maintaining their websites and servers on various platforms, including **cPanel** and **CyberPanel**.

Bluetech Online

IT Consultant, DevOps & Web Developer

2015 – 2018

Turkey

- Engineered and maintained a portfolio of high-traffic **WordPress** and custom **PHP** websites, using **Google Ads** and **Analytics** to inform strategies that increased client registrations and sales.
- Automated repetitive tasks and workflows to improve operational efficiency and built custom PCs for sales staff.
- Provided comprehensive IT support and managed a newsletter system using **Mautic** and **Mailcow**.
- Managed dedicated servers and network infrastructure, and developed a custom live support widget using **PHP**, **CSS**, and **JavaScript** with an **Openfire XMPP** backend.

Private Hospital

IT Infrastructure & Security Specialist

2012 – 2015

Turkey

- Architected and deployed the entire **IT infrastructure** for a new hospital, including network cabling, servers, and **CCTV security systems**.
- Implemented a robust network architecture with two public internet connections and configured **firewall** rules for both public and secure internal use.
- Managed primary servers and databases for hospital management and accounting software, ensuring high availability and compliance.
- Developed and launched a custom **WordPress** website and configured the associated **DNS** and mail servers.

Key Projects

Fiverr Freelancing — DevOps Engineer & Linux System Administrator

AWS, GCP, Azure, Proxmox — Freelancing

2022 – 2025

Global

- Provided expert server setup and administration on cloud (**AWS**, **GCP**, **Azure**) and bare-metal servers, completing **200+ successful client projects**.
- Engineered custom **Proxmox virtualization environments** with optimized **LXC/VM templates** for efficient resource management and **cost optimization**.
- Specialized in configuring and securing web services with **Nginx**, **Apache**, and **Traefik**, and implemented comprehensive security hardening measures.
- Executed seamless website and database migrations for clients, ensuring data integrity and minimal downtime.

Sienna Finanzen Web Development

Laravel, WordPress — Contractor via Utechsoft, Inc.

2022 – 2025

Switzerland

- Engineered and deployed a custom **Proxmox server infrastructure**, leveraging **LXC containerization** to host a diverse set of applications, reducing operational overhead by **15%**.
- Configured a comprehensive application stack, including Web Servers, Mail Servers, **Mautic**, **MinIO S3**, **Chatwoot**, **Nextcloud**, and **Coolify**.
- Implemented robust security hardening measures, including **firewall configurations** and network segmentation.

MotaPOS — SaaS Infrastructure

DevOps, SRE, Docker, Kubernetes — Contractor via Utechsoft, Inc.

2023 – 2025

Indonesia

- Architected a cost-efficient, high-availability SaaS infrastructure on a **3-node bare-metal Proxmox HA cluster**, reducing hosting costs by **40%**.
- Integrated a **CEPH storage backend** to enable live migration and ensure data redundancy for disaster recovery.
- Automated end-to-end deployment workflows for development and production using **GitLab CI/CD pipelines**, significantly improving release velocity.
- Managed a containerized application stack using **LXC**, including **PostgreSQL**, **RabbitMQ**, **Redis**, **MySQL**, and **MinIO**.

Forex Company — Big Data Analysis Platform

Hadoop, System Administration — Contractor via Utechsoft, Inc.

2022 – 2024

Montenegro

- Configured and managed a **Hadoop cluster** to support data analysis, improving processing time by **25%** and ensuring **zero unplanned downtime** through routine maintenance.
- Optimized CRM application performance and administered web and mail servers as a **Linux System Administrator**.

Education

Cukurova University

Associate Degree in Computer Programming

Sep. 2010 – May 2012

Adana, Turkey