

# Nikola Jovanović

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Location: Novi Sad, Serbia

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## Work Experience

### DevOps Engineer

WolkAbout — Feb 2023 - Present

- Installing, deploying, and maintaining a **complete IoT platform architecture** with MQTT, AMQP, WebSockets, RabbitMQ, Redis, MySQL, Cassandra, and Tomcat backend services.
  - Set up the platform for both **on-premises development environments** and **production client deployments**.
  - Installed and managed services using **systemd, Docker Compose, Docker Swarm, self-hosted K3s**, and **AWS EKS clusters**.
  - Automated deployment pipelines using **GitHub Actions (GHA), Jenkins** and **Bitbucket Pipelines**, improving release cycles and deployment efficiency.
  - Managed cloud infrastructure with **AWS basics (EC2, S3, RDS, Aurora, Route53, Cost Management, ECR, EFS, EKS, SES, IAM, CloudWatch)**.
  - Implemented **Grafana** with **Promtail** and **Loki** for centralized logging and monitoring, leading to faster incident resolution.
  - Built and containerized **Java/Gradle applications** using **Docker**, streamlining development and deployment.
  - Managed **multi-node bare-metal Proxmox cluster**, providing infrastructure for the entire company and supporting all teams.
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### DevOps Engineer / System Administrator

Zesium — Apr 2022 - Feb 2023

- Deployed and maintained **Dockerized applications** across multiple Linux servers.
- Automated development workflows using **Jenkins** and integrated **GitLab Pipelines** for continuous deployment.
- Introduced container orchestration using **Docker Swarm** and **Kubernetes**, reducing operational overhead.
- Optimized **Nginx** configurations and troubleshoot network issues, improving request handling efficiency.

- Collaborated with development teams to streamline deployment processes and ensure compliance with security standards.
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## Linux System Administrator

Netex Consulting — Sep 2020 – Apr 2022

- Managed **Linux-based infrastructure**, including installation and configuration of servers for B2B clients.
  - Configured and maintained **SIP/VOIP telephony systems**, ensuring seamless communication for over 500 employees.
  - Virtualized environments using **Oracle VirtualBox**, resulting in a reduction in infrastructure costs.
  - Set up **VPN** and firewall systems to facilitate secure remote work during the pandemic.
  - Created technical documentation and internal training materials for system administration best practices.
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## Technical Skills

- **IoT & Messaging Protocols:** MQTT, AMQP, WebSockets
  - **Messaging Platforms:** RabbitMQ, Mosquitto
  - **Databases:** MySQL, Cassandra
  - **Operating Systems:** Linux (Debian, Ubuntu, CentOS)
  - **DevOps Tools:** Kubernetes, Docker, GitHub Actions, Bitbucket Pipelines, Jenkins, Ansible, Grafana, Prometheus, Promtail, Loki, and many others
  - **Cloud Platforms (AWS basics):** EC2, S3, RDS, Aurora, Route53, Cost Management, ECR, EFS, EKS, SES, IAM, CloudWatch
  - **Automation & Orchestration:** Proxmox, K3s (self-hosted), Docker Swarm
  - **Build Tools:** Java/Gradle, Dockerizing apps
  - **Networking:** TCP/IP, DNS, VPN
  - **Version Control:** Git, GitLab
  - **Virtualization:** Proxmox, VirtualBox, Qemu
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## Education

**Secondary School of Traffic**

*Srednja saobraćajna škola, Zemun — 2007*

Field of Study: Traffic Technician