

Vladimir Jovin

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EDUCATION

Faculty of Technical Sciences, University of Novi Sad <i>PhD Studies - Computer Science, Distributed Systems and High Performance Computing</i>	Novi Sad, Serbia Nov 2025 – Present
Faculty of Technical Sciences, University of Novi Sad <i>Master of Computer Science, Distributed Systems and High Performance Computing</i>	Novi Sad, Serbia Oct 2022 – Dec 2024
Faculty of Technical Sciences, University of Novi Sad <i>Bachelor's with honours in Software Engineering and IT</i>	Novi Sad, Serbia Oct. 2018 – Sep 2022
Jovan Jovanović Zmaj, Grammar School <i>Class for students talented in computer science</i>	Novi Sad, Serbia Sep. 2014 – May 2018

EXPERIENCE

Unusual Whales <i>Senior Platform Engineer</i>	Sep 2025 – Present <i>Remote</i>
- Delivered sub-millisecond p99 processing latency for live financial market data feeds, enabling real-time trade signal generation, by engineering zero-copy Rust services with async I/O via Tokio and lock-free data structures - Increased streaming platform reliability to 99.9%+ uptime during market hours by architecting a Kafka topology with partition replication, consumer group isolation, and lag-based alerting across all downstream services - Eliminated manual deployment toil for 100% of GCP production services, halving release cycle time, by implementing GitOps workflows with Terraform and Flux across GKE clusters for automated, auditable rollouts - Reduced mean time to detection for latency regressions from hours to minutes by instrumenting Rust services with structured OpenTelemetry tracing and custom Prometheus metrics aligned to SLO thresholds - Contributed to building Mr Whale, Unusual Whales' AI-powered market analyst, by designing the serving infrastructure and real-time data integration layer that connects LLM inference to live options flow, dark pool, and market signal pipelines for all platform subscribers	
Sotex Solutions <i>Consultant</i>	Sep 2025 – Present <i>Remote</i>
- Architected Azure Cloud environments for enterprise clients, designing scalable, cost-efficient landing zones and migration paths from on-premises workloads - Delivered PCI-DSS and ISO 27001 compliance gap assessments and remediation roadmaps, translating regulatory requirements into concrete infrastructure and operational controls - Designed hybrid on-premises and cloud infrastructure architectures balancing performance, data residency, and vendor risk for regulated industries - Established cloud governance frameworks — RBAC policies, network segmentation, secrets management — enabling clients to pass external compliance audits	
Bluecat Networks <i>Senior Site Reliability Engineer</i>	Aug 2024 – Sep 2025 <i>Belgrade, Serbia</i>
- Improved Bluecat Edge platform availability to 99.9% across multi-cloud DNS infrastructure (AWS, GCP, Azure) by instrumenting SLO-based alerting and building automated runbooks for the most frequent incident categories - Reduced infrastructure provisioning time by 70% across three cloud providers by standardising IaC patterns with Terraform/Terragrunt and Pulumi, enforcing module versioning and automated drift detection in GitLab CI - Delivered a production Data Engineering Platform processing high-volume DNS telemetry with sub-minute query latency by integrating Apache Pulsar, Flink, Trino, and Iceberg into a unified streaming-and-lakehouse architecture on AWS EKS - Cut deployment lead time for platform components by 50% by designing GitLab CI/CD pipelines with parallelised build, security-scan, and progressive delivery stages across all platform services	
Nordeus <i>Site Reliability Engineer</i>	Apr 2023 – July 2024 <i>Belgrade, Serbia</i>
- Reduced infrastructure costs for live game backends serving millions of players by migrating 20+ services from VM-based Terraform/Ansible setups to GKE with horizontal pod autoscaling and resource right-sizing - Achieved sub-30-second RTO for PostgreSQL and Redis clusters under failure scenarios by implementing automated failover, PgBouncer connection pooling, and tested point-in-time recovery runbooks - Reduced mean time to detect production incidents by 45% by building Prometheus and Grafana dashboards with full SLI/SLO coverage and configuring ELK anomaly detection for high-severity log patterns - Eliminated configuration drift across 50+ production nodes by standardising Ansible playbook runs in CI with idempotency checks and automated compliance reporting on every infrastructure change	

Fourity

Jan 2022 – Mar 2023

Software Engineer

Novi Sad, Serbia

- Reduced API response times for the highest-traffic endpoints by refactoring FastAPI handlers to use async database queries, Redis response caching, and tuned SQLAlchemy connection pools
- Improved background job throughput for data-intensive processing workflows by integrating Celery with Redis as the message broker and tuning task routing, worker concurrency, and prefetch limits
- Cut deployment pipeline duration across 3 concurrent client projects by containerising services with Docker and designing Drone CI pipelines with parallelised build, test, and publish stages
- Accelerated new service bootstrap time from days to hours by establishing reusable FastAPI templates with shared middleware for authentication, rate limiting, and structured error handling across all projects

Memristor Robotics Team

Oct 2022 – Feb 2026

DevOps Engineer (Student Team)

Novi Sad, Serbia

- Reduced integration failures between robotics subsystems by building CI/CD pipelines that validated every pull request against hardware simulation and Dockerised ROS2 test environments before merge
- Cut developer environment setup time by containerising the complete ROS2 software stack with Docker Compose and versioned toolchain images deployed across all team workstations
- Supported the team in achieving consistent top-10 Eurobot competition results by maintaining software reliability through simulation-based regression testing and continuous integration across all robotics modules
- Eliminated environment inconsistency incidents across developer workstations by standardising development containers and ROS2 workspace configuration with locked dependency versions and automated validation

Localization Lab

2022

Global Translator Community

Remote

- Technical Translation Reviewer for Tor Project

TECHNICAL SKILLS

Languages:	Python, Rust, Go, C, eBPF
Infrastructure:	Kubernetes, GNU/Linux, Terraform, Terragrunt, Pulumi, Ansible, Helm, Docker, Flux
Cloud:	AWS, GCP, Azure
Streaming and Data:	Kafka, Apache Pulsar, Apache Flink, Trino, Apache Iceberg
Databases:	PostgreSQL, Redis, PgBouncer
Observability:	Prometheus, Grafana, OpenTelemetry, ELK Stack
CI/CD:	GitLab CI, Jenkins, TeamCity, Drone CI

PROJECTS

Koroz | *Rust, eBPF, Aya-rs, Postgres, Unbound DNS*

2024

- Captures and analyzes DNS traffic in real time using eBPF for minimal overhead and high efficiency.
- Implements TTL-based DNS caching and stores results in PostgreSQL for durability and querying.
- Exposes Prometheus metrics and provides HTTP APIs for accessing DNS data and system status.
- Supports Docker-based setup for dependencies and offers cross-compilation options for multiple platforms.