

# Mile Družijanić

SOFTWARE ENGINEER · BACKEND INFRASTRUCTURE

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## Technical Skills

- **Programming:** Golang, Rust, Python, C/C++, SQL
- **Databases:** Postgres, Redis, OpenSearch/ElasticSearch, MongoDB
- **Infrastructure:** Kubernetes, Docker, Linux, Helm, AWS (EKS, EC2, VPC, EB, RDS, S3, Route53)
- **DevOps:** Terraform, ArgoCD, Git, Github Actions, Jenkins
- **Monitoring / Observability:** Prometheus, Grafana, Sentry, AWS Cloud Watch
- **Messaging queues:** Kafka, AWS SQS, RabbitMQ

## Open Source

- **Google gRPC:** Contributed with issue fixes and updates for **Golang gRPC** project
- **NGINX:** Collaborating with **NGINX Gateway Fabric** team with focus on **Golang** modern data plane for **Kubernetes**, fixing issues, updating current solutions and improving test coverage

## Work Experience

### Kubespaces

Amsterdam, Remote

SENIOR SOFTWARE ENGINEER

Jun. 2024 - Jul. 2025

- Built platform as a service for deploying applications into **Kubernetes** namespaces
- Provisioned deployments with infra by using **Envoy, Traefik, Docker, Helm** into **Linux** VMs hosted on Hetzner
- Networking setup with **Cilium** Daemon Sets and endpoints, TLS routes, messaging queue with **Golang** NATS
- Monitorig via Datadog and Kubewall, using **GitOps** practices by **ArgoCD**, SSH management via Ansible with cloud providers: **AWS, GCP, Azure**
- Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker containers and AWS resources.
- Onboarding and mentoring team members, creating workflows, leading development

### Tilde Loop

Split, Croatia

SOFTWARE ENGINEER II

Sep. 2022 - Aug. 2024

- Developed and delivered scalable microservices within **distributed sytems** architecture, handling **5 million** daily requests with **200k** active users, deployed everything on **AWS** with **Docker** from design to production
- Implemented **OpenSearch (ElasticSearch AWS)** into our microservices, enhancing performance and data querying capabilities by **70%** with advanced aggregations and tuning multi-search options
- Led the successful migration of large infrastructure to newer **AWS** environment, ensuring minimal disruption to services, using blue-green deployment strategies with smooth traffic transition, covered with monitoring and observability
- Covered **90%** of my code with various unit tests and integration tests, ensuring seamless integration across the entire system using **CI/CD** pipelines, integrated **Sentry** monitoring and logging
- Utilized **Terraform/HCL** to provision resources for **BigQuery**, implemented Fivetran connectors with **AWS** databases

## Education

### University of Zagreb

Zagreb, Croatia

MASTER IN COMPUTER ENGINEERING, MECHANICAL ENGINEERING

2015 - 2021

- Thesis: Numerical Analysis of the Computer Processor Fan Cooler
- Utilized **C++**, multi threading, Linux kernel profiling, focusing on Computational Fluid Simulations

## Achievements

### Advent of Code

PLACED IN FIRST **0.1%** (TOP 100) **ADVENT OF CODE** WORLDWIDE PROGRAMMING COMPETITION USING **GOLANG**

- **day 9** in 2024
- **day 13, day 20** in 2023