



Semir Mahovkic

SENIOR SOFTWARE ENGINEER

PROFILE

Building systems for more than 11 years, for fast-moving startups and large-scale enterprises — sub-millisecond backends for Tradeview Markets, Kubernetes Operators for Cisco Secure Firewall Cloud Native, real-time data synchronization for Sportradar, Temporal-orchestrated order flows for Daki's grocery delivery platform, self-service VM provisioning on VMware's VCF Automation.

Production Go, much of it cloud-native, owned end-to-end — code, build, deploy, monitor.

TECHNICAL SKILLS

Languages & Core	Go (Gin), C# (.NET Core), TypeScript
Messaging, Transport & Orchestration	gRPC (Streams), Aeron, RabbitMQ, MQTT, Redis PubSub, AWS SQS/SNS, WebSockets, FIX Protocol, Temporal (Workflows)
Cloud Native, DevOps & Observability	Kubernetes (Operators, CRDs), Docker, Helm, ArgoCD (GitOps app-of-apps pattern), Prometheus, Grafana, OpenTelemetry Collector, Loki, Jaeger, Keycloak IAM
Databases & Caching	PostgreSQL, MySQL, Redis, MongoDB, Elasticsearch, SQLite, Cassandra, ClickHouse

CONTACT

Email	smahovkic89@gmail.com
LinkedIn	linkedin.com/in/semir-mahovkic-a42ba7135
GitHub	github.com/semirm-dev
Portfolio	semirmahovkic.xyz

WORK EXPERIENCE

11/2025 – Present	Self-Service VM Provisioning on VCF Automation 9 — Broadcom Professional Services	
	Company	Evoila
	Role	Senior Software Engineer — Cloud & Infrastructure Automation
	Technologies	TypeScript, VCF Automation 9, vRealize Orchestrator, NetBox IPAM
	VMware's private-cloud automation platform — a self-service catalog where customers request and provision their own VMs.	
	Responsibilities	
	- Implemented a self-service VM provisioning catalog item on VCF Automation 9 (formerly Aria Automation) — a dynamic request form backed by 20+ Orchestrator actions, workflows, and configuration elements, driving Kubernetes-native VM deployment. - Automated IP address management against NetBox IPAM and vCenter — live IP availability, hostname generation with uniqueness validation, and event-driven IP registration after deployment (via VCF Automation subscriptions). - Improved shared, reusable TypeScript automation libraries and built a generic, strongly typed configuration layer on top of them.	
01/2026 – 07/2026	TVM — Tradeview Markets	
	Role	Senior Software Engineer
	Technologies	Go, Aeron, Postgres, ClickHouse, FIX
	Responsibilities	
	- Developed a low-latency, sub-millisecond online trading backend in Go with zero allocations in the hot paths. - Used a pre-allocated slot map and reusable buffers to avoid allocations on the order path. - Used sync.Pool for the buffers that encode inter-service messages. - Built the inter-service transport using the Aeron protocol. - Integrated multiple Liquidity Provider (LP) APIs for real-time automated order routing and execution.	

07/2024 –
10/2025

MFC — MultiFeedCenter

Company	Evoila
Role	Senior Cloud Native Engineer
Technologies	.NET, Kubernetes, Helm charts, ArgoCD, GCP, RabbitMQ, MongoDB, MySQL, Postgres

Third-party data feeds ingested from many providers and reconciled into a single stream for downstream consumers.

Responsibilities

- Migrated the .NET feed services from Windows Server services to cloud-native workloads — containerised with Docker, packaged as Helm charts and run under Kubernetes.
- Designed GitOps CD pipelines via ArgoCD using the app-of-apps pattern to automate and streamline multi-service Kubernetes deployments.
- Deployed a complete Kubernetes observability stack (Grafana, Loki, Prometheus, Elasticsearch, OpenTelemetry Collector) for distributed tracing and monitoring.
- Configured and integrated Keycloak IAM SSO across Grafana, ArgoCD, and backend services (.NET).

11/2023 –
06/2024

Sportradar

Company	Endava
Role	Senior Software Engineer
Technologies	Go, gRPC, GraphQL, MySQL, Redis, Kubernetes, AWS

The rights and channel management platform behind Sportradar's streaming product — which sports, tournaments and territories each betting operator is licensed to show.

Responsibilities

- Built the Go jobs that synchronized matches, tournaments, categories and competitors from Sportradar's sports data service, consumed over gRPC streams and reconciled into the platform's own database.
- Added a sync state service that records the last applied update per feed, so a job resumes where it stopped instead of re-reading the stream.
- Exposed media assets through the GraphQL API as presigned S3 URLs.

11/2022 –
10/2023

Daki

Role	Senior Software Engineer
Technologies	Go, Temporal, GraphQL, MongoDB, GCP

Brazil's most popular grocery delivery app.

Responsibilities

- Built the order flows in Go — create, cancel, fulfillment, payment — as Temporal workflows, so an order halfway through picking survives a restart instead of being dropped.
- Added the compensation steps: an item that goes out of stock comes off the order or cancels it, and a payment that fails puts the reserved stock back.
- Exposed the whole order cycle through the GraphQL API.

11/2021 –
10/2022

CSFN — Cisco

Company	Endava
Role	Senior Software Engineer
Technologies	Go, Kubernetes, Helm charts, ArgoCD, AWS, gRPC, Postgres, Redis

Cisco Secure Firewall Cloud Native — the firewall and VPN Cisco ships as an appliance, delivered instead as a Kubernetes service on AWS.

Responsibilities

- Led the engineering team developing Kubernetes Operators for Cisco Secure Firewall Cloud Native to automate lifecycle, resource management, and security policies.
- Designed an Operator that wires AWS Shield into newly deployed services.
- Tightened access control in Kubernetes RBAC and AWS IAM.

EARLIER ROLES

04/2019 –
10/2021

MTVO — Masters of Void Organization

Company	Mistral
Role	Software Engineer

A virtual goods trading platform built around spiritual sessions, with each session tracked as it runs.

.NET, TypeScript, Angular, AWS, WebSockets, Redis, MSSQL

04/2018 –
03/2019

NAGA

Company

MOP

Role

Software Engineer

Online crypto exchange platform.

Go, Kubernetes, RabbitMQ, WebSockets, AWS, Redis, Postgres, Cassandra, gRPC

05/2015 –
08/2017

Android + backend

Company

Imel d.o.o.

Role

Software Engineer

Logistics tracking and dental monitoring platforms — the Android apps and the backends and mobile APIs behind them.

PHP, Laravel, AngularJS, Linux, WebSockets, Java, Android, MySQL, SQLite