

# Amro Massalha

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## About Me

DevOps engineer with 8+ years building and scaling cloud infrastructure. Started my career in QA, which gave me a unique perspective on reliability and automation that I carry into everything I build today. Currently leading DevOps at Beamr where I'm transforming how we deliver software.

## What I Bring to the Table

I've led teams through the messy reality of cloud migrations - from legacy on-prem systems to modern Kubernetes deployments. My approach? Start simple, iterate fast, measure everything.

Recently took our monolithic app and broke it into microservices running on GPU spot instances (saved us 70% on compute). Built our entire IaC setup with Crossplane because Terraform wasn't cutting it for our use case. When AWS Batch wasn't scaling right, moved to K8s with Karpenter + KEDA watching our SQS queues.

Not just about the tech though - got us through SOC2 certification, built a Slack bot that actually makes deployments fun to track, and switched from CloudWatch to Datadog when we needed real observability.

## Work History

### Head of DevOps @ Beamr (2023 - Now)

Running the show for our cloud infrastructure. When I joined, we had a basic Lambda setup. Now? Full K8s deployment with GPU acceleration, custom operators written in Go/KCL, and deployments that actually work. The journey wasn't always smooth - had to convince management that Crossplane was worth the learning curve and that spot instances wouldn't kill our SLAs. They were right to be skeptical, but the results speak for themselves.

Key wins:

- Migrated everything to AWS without downtime (yes, really)
- Built CI/CD that devs actually like using
- Got our cloud bill under control with spot instances + smart scaling
- Made security auditors happy (SOC2 certified on first try)

## **Senior DevOps Engineer @ Minute Media (2021 - 2023)**

Came in to fix their CI system that was bleeding money. Saved them ~\$10k/week by switching to a smarter build strategy. Also helped different teams actually talk to each other about their deployment needs - turns out communication fixes more problems than fancy tools.

## **Automation Engineer @ BMC Software (2019 - 2021)**

Built enterprise-scale testing infrastructure. Where I learned that good networking knowledge saves you at 3am.

## **QA Engineer @ Galil Software (2015 - 2019)**

Foundation years. Testing everything taught me to prevent problems before they happen.

## **Technical Stuff**

**Daily drivers:** AWS (been using it since before EKS was stable), Kubernetes (love it and hate it), Python (my go-to for everything), Docker, Terraform/Crossplane

**Cloud & Containers:** EC2, Lambda, EKS, S3, the usual suspects. But also the weird stuff like AWS Batch when you need it. Kubernetes with all the fixings - Helm, Karpenter for spot instances, KEDA for autoscaling.

**Automation & Monitoring:** Jenkins (unfortunately), GitLab CI, ArgoCD. Moved from ELK to Datadog and never looked back. Prometheus/Grafana when budget matters.

**Languages:** Python mostly, Go when performance matters, Bash when I'm lazy, KCL for Crossplane configs

**The boring but important stuff:** Git, Linux (obviously), networking (saved my ass more than once), security scanning, IAM policies that actually make sense

## **Education & Certs**

- B.Sc Industrial Engineering, Technion (where I learned to optimize everything)
- AWS Cloud Practitioner (the easy one)
- Docker + K8s Mastery (actually useful)
- ISTQB Level 1 & 2 (from my QA days)

## **Languages**

English, Arabic, Hebrew - all fluent. Context switching between languages is easier than between Python 2 and 3.

## **Final Thought**

I solve problems. Sometimes with code, sometimes with architecture, sometimes by just talking to people. If your infrastructure is held together with duct tape and prayers, let's chat.