

Ivan Shishkalov

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> _ summary

Strategic Software and Cloud Engineer with 5+ years of experience building scalable, developer-centric platforms across startups and large enterprises. Passionate about simplifying complexity and solving meaningful problems with cloud-native technologies and AI. Aspiring leader who empowers teams through a culture of tech innovation, ownership, and adaptability. Fractional CTO @ softwarevrienden.nl - building a developer-centric AI recruitment platform in the Netherlands. Owner @ dualstacks.com - experimenting with agentic AI use cases for productivity, cloud, and more.

> _ experience

- Fractional CTO**

May 2023 - Present

@Software Vrienden

Deventer, Netherlands

 - Designed and launched a high-performance ETL platform processing 2-3M annual data points using Dagster, Kubernetes, and Python microservices
 - Transformed recruitment matching using multi-stage AI pipeline with agentic workflows, reducing false positives by 4x
 - Reduced infrastructure costs by 70% through strategic cloud optimization while scaling platform capabilities
 - Built and mentored a remote team of 5 engineers
- Cloud Platform Owner, Product Owner**

Jan 2024 - Dec 2024

@Improvers (subsidiary of Essent)

Utrecht, Netherlands

 - Modernized the stack and set up a robust self-service platform supporting 100+ microservices on AWS EKS and Lambda, cutting zero-to-production setup time from days to minutes
 - Led the transition from Salesforce to a custom-built in-house platform, taking it from initial concept to a fully functional MVP and growing it into a SaaS product with 200+ paying customers
 - Built foundational libraries and integrations, advocating for best practices like Conventional Commits, GitOps, and Privacy by Design
- Software Engineer**

Nov 2021 - May 2023

@Avisi Cloud

Arnhem, Netherlands

 - Within 6 months, implemented Stripe-integrated billing and self-service onboarding for an enterprise-grade managed Kubernetes platform, streamlining public launch readiness
 - Researched and developed advanced multi-cloud and multi-cluster platform capabilities focusing on networking and scheduling with Linkerd, Ligo, and NSM
 - Engaged with 100+ potential customers and partners at events like KubeCon, giving demos and securing interest in the platform
- Associate Software Engineer**

Jan 2019 - Jan 2021

@TomTom

Amsterdam, Netherlands

 - Automated release scheduling, reducing manual effort by 50% and enabling Accelerate KPI tracking for 70+ applications
 - Streamlined external change announcements for key customers like Volkswagen, Daimler, and BMW Motorrad by automating customer portals in ServiceNow
 - Presented advancements to unit leadership and 50+ engineering teams, driving curiosity and adoption

> _ education

- BSc Information & Communication Technology**

2017-2022

@Saxion University of Applied Sciences

Deventer, Netherlands

 - Specialized in Cloud Engineering with a strong focus on Developer Experience.
 - Graduated with the best-in-class work (10/10) on Multicloud Kubernetes Architectures: Networking and Scheduling.
 - GPA 3.8/4.0

> _ skills

code	Go, Python, Java (Android, Spring), JavaScript (Node.js, Angular, Vue), Bash
cloud	AWS, GCP, Linode, OVH, Docker, Kubernetes & CNCF Landscape, Multicloud Platforms
ci/cd	Jenkins, GitHub Actions, GitLab CI, ArgoCD, Gitea
tools	Terraform, Helm, Kustomize, Pulumi, CDK, Prometheus, Sentry, RabbitMQ, NATS, APISIX
ai	NLP, LLMs, RAG, Agentic Workflows (OpenAI Assistants API, Langchain, CrewAI)
soft	scaling and mentoring remote/hybrid teams through async communication, product roadmapping, stakeholder engagement, delivering impactful presentations and pitches