

Ivan Shishkalov

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> _ summary

Strategic Software and Cloud Engineer with a strong focus on cloud-native technologies, AI, and developer experience. I love building simple and intuitive systems that solve complex problems that matter. Skilled in architecting scalable platforms that prioritize developer experience. Aspiring leader driven by a belief in leading by example. Striving to empower teams and foster a culture of embracing 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**
@Software Vrienden

May 2023 - Present
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**
@Improvers (subsidiary of Essent)

Jan 2024 - Dec 2024
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**
@Avisi Cloud

Nov 2021 - May 2023
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, Liqo, and NSM
 - Engaged with 100+ potential customers and partners at events like KubeCon, giving demos and securing interest in the platform
- Associate Software Engineer**
@TomTom

Jan 2019 - Jan 2021
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**
@Saxion University of Applied Sciences

2017-2022
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