



Yauhen Yakimovich

Cloud, Platform, Security and AI Architect.
DevSecOps and SRE. Former CTO.

LOCATION

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SUMMARY

Architect and hands-on engineer with 15 years of building production technology platforms in Switzerland across research, startups, banking and insurance. Builds, migrates and secures business-critical systems on Microsoft Azure, Google Cloud, AWS, OpenShift and OpenStack, increasingly for data and AI workloads. Main areas: cloud and platform architecture, Infrastructure as Code, CI/CD, Kubernetes, PostgreSQL, event-driven and streaming architectures, security engineering, AI platforms and technical leadership.

SKILLS

Cloud platforms

Microsoft Azure (Azure landing zones, AKS, Azure Database for PostgreSQL Flexible Server, Azure Data Factory, Azure Policy), Amazon Web Services, Google Cloud Platform (GKE, BigQuery), OpenShift, OpenStack, Linux.

Infrastructure and orchestration

Kubernetes, Docker, Helm, Helmfile, Kustomize, Flux, Terraform, Terragrunt, Crossplane, Ansible, ARM templates, Bicep, Infrastructure as Code (IaC).

CI/CD and delivery

Azure DevOps, Azure Pipelines, GitLab CI, Jenkins, GitHub, CircleCI, Maven, Artifactory, xRay, SonarQube, Flyway, JUnit, test-driven development, bill-of-materials release management.

Data architecture and integration

Databricks, BigQuery, Apache Spark, Azure Data Factory, data modelling, relational and analytical data models, event-driven and streaming integration patterns, ETL, Apache Kafka, Luigi, PostgreSQL, Azure Database for PostgreSQL Flexible Server, Redis, Couchbase, IBM MQ.

AI and machine learning

machine learning pipelines, scikit-learn, Spark, computer vision, generative AI (GenAI) integration via LLM APIs (OpenAI, Anthropic, Azure OpenAI), model routing, inference and serving, local LLMs, PyTorch, Transformers, MLOps and LLMOps.

Security

DevSecOps, role-based access control (RBAC), Azure Managed Identity, Azure Active Directory / Microsoft Entra ID, OAuth2, SAML2, LDAP, single sign-on, mutual TLS, secrets management, HashiCorp Vault, OWASP, ISO 27001, Azure Policy, WAF, Aqua, NexuS IQ, Qualys, AppArmor and SELinux hardening, OpenShift security context constraints, stunnel, encryption at rest and in transit, secure networking and bastion tunnelling.

Programming	Python, Java (Spring Boot), C# and .NET, TypeScript and JavaScript, Go, Rust, Solidity, Groovy, Bash, PowerShell, SQL.
Operations and leadership	Dynatrace, monitoring and telemetry, incident post-mortems, runbooks, site reliability engineering (SRE), high availability and disaster recovery, release management, architecture workshops, team leadership, Scrum, Kanban, SAFe.

EXPERIENCE

Cloud DevOps Engineer

September 2025 to present

Allianz, Zurich (contract via Oliver James; initial assignment to March 2026, resumed June 2026)

- Leads the design and implementation of Allianz Group's Azure Database Migration Readiness initiative for PostgreSQL Flexible Server in the Future Cloud Platform programme, setting a standardised, secure foundation for enterprise-scale PostgreSQL modernisation across business domains and coordinating pilot migrations to validate adoption.
- Designed the Permission Management Automation (PMA) framework, an infrastructure-as-code and database-as-code model for PostgreSQL cloud environments that automates provisioning and role and permission governance, reducing operational complexity while improving security, compliance and auditability.
- Designed the solution that maps centrally governed Microsoft Entra ID groups onto the PostgreSQL role framework, on top of the company's existing identity governance process: a grant on Azure Database for PostgreSQL Flexible Server follows from group membership, and is governed and audited through that process rather than beside it.

Lead Cloud Architect

October 2024 to August 2025

UBS, Zurich (contract via Tech Mahindra)

- Led the migration architecture for a heterogeneous wealth management application estate from on-premise infrastructure to Microsoft Azure, defining the Azure Kubernetes Service (AKS) containerisation strategy, onboarding path and CI/CD roadmap.
- Co-designed the data and integration architecture for near real-time wealth management transaction processing, including CAMT.053 data flows, Azure Data Factory, Databricks and AKS microservices for event-driven ETL processing.

Security Architect, DevOps and Cloud Engineer

July 2019 to June 2024

Swiss Re, Zurich (contract via Swisslinx)

- Designed and supported the Azure infrastructure and security architecture of the IETV platform (IFRS delivery), a multi-million-franc, mission-critical microservice and event-driven system.
- Co-designed the secure microservice architecture with Azure Managed Identities for least-privilege access and mutual TLS between Kafka and PostgreSQL.
- Led the deployment of Azure Data Factory and Databricks from governed artifact feeds under strict security and compliance requirements, integrating data workflows into the DevOps cycle.

Chief Technology Officer and Co-founder

January 2018 to June 2019

Crypto Real Estate AG, Zug

- Rebuilt convertia.io, the KYC onboarding product, into a white-labelled service on Kubernetes and Google Cloud, live with its first B2B customers.
- Worked directly with FINMA through a series of regulatory classification sessions, clarifying the regulatory treatment of a new financial product.
- Designed the Management and Investment Assistant (MIA), a central investment management tool, from concept through prototype to a 64-page technical paper.

Chief Technology Officer

September 2016 to December 2017

PriceHubble AG, Zurich

- Delivered the product from early MVP to a full-scale B2B service for real estate, banking and insurance clients, reaching alpha in 2 months and a full product in 8 months and attracting the first paying customers and significant investment.

Research and Development Software Engineer

September 2011 to August 2016

University of Zurich, Zurich

- Built an OpenStack private cloud and big data storage for Science IT with GlusterFS and XFS, including network and parallel storage systems and KVM and VMware ESXi virtualisation.

EDUCATION

2008 to 2009	Integrated PhD programme in Mathematics, Jacobs University Bremen, Germany.
2004 to 2008	Graduate School, Belarusian State University of Informatics and Radioelectronics (BSUIR), Minsk, Faculty of Computer Networks and Systems.
2004 to 2005	Master of Science in Engineering, BSUIR, Minsk.
1999 to 2004	Diplom-Ingenieur in Software Development, BSUIR, Minsk, banking systems specialisation.

PUBLICATIONS AND LANGUAGES

- “Multiscale chromatin dynamics and high entropy in plant iPSC ancestors”, Journal of Cell Science, May 2024.
- “Infectio: a generic framework for computational simulation of virus transmission between cells”, mSphere, February 2016.
- “Computer vision for image-based transcriptomics”, Methods, September 2015.
- “Rarefied data compression method”, January 2008.

Languages: English and German (fluent, written and spoken), Russian, Belarusian, Polish.