

Marcin Aleksander Nowak

Cloud Solution Architect

Software Architecture Expert

Ph.D. in Computer Science

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Hands-on Cloud Solution Architect with 15+ years of experience designing, building, and optimizing scalable cloud-native and hybrid systems. Proven record of leading cross-functional teams in enterprise environments (insurance, fintech, pharma, media) and delivering high-impact solutions on AWS, Azure, and on-prem. Passionate about innovation, cloud security, and reliability engineering.

- **Cloud Platform Engineering:** DevSecOps, FinOps, Observability
- **Software Architecture:** Microservices, Event-driven, API-First, Hoisting, DDD, Decisions,
- **Coding:** C#, Java, Python, TypeScript,

Cloud Architecture Expert / Vice President

Nov 2021 – Now

SwissRe - Property and Casualty Reinsurance

- Led architecture initiatives; infra, modularization, migration planning, and stability management for the P&C Re digital sales platform (SwiftRe 2.0),
- Praised for strong communication, stakeholder management, fostering teamwork, and maintaining consistently high performance/reliability.

Lead Software Engineer / Cloud Architect

Mar 2019 – Sep 2021

TX Group - Tamedia, Paid Media Distribution

- Designed and led development of a subscription-based eCommerce platform,
- Migrated legacy monoliths to a microservice architecture,
- Introduced IaC and CI/CD practices and implemented BDD testing pipelines.

Senior Software Engineer / Quant Engineer

Nov 2015 – Sept 2018

swissQuant - Private Banking Technologies

- Extended and maintained core Java optimization engine for investment portfolio analysis.
- Built RESTful APIs and Dockerized deployments for scalable portfolio simulations.
- Collaborated with data scientists to integrate Python models into enterprise-grade systems.

Various positions

... 2000 – Nov 2015

Ph.D. in Computer Science

2009 – 2014

University of Lugano, Switzerland

M.Sc. in Physics

2001 – 2007

University of Hannover, Germany

Certifications

- Azure Solutions Architect Expert
- AWS Certified Solutions Architect – Associate
- TOGAF 9.2
- SEI Architecture Professional
- ISTQB Tester