Stanislav Vitko

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About

Engineering manager specializing in Site Reliability and infrastructure automation with 15+ years of experience.

Built and managed distributed systems for continuous delivery, security, e-commerce, finance, and blockchain. Combines technical expertise in modern infrastructure with people management, cross-team collaboration, and mentoring. Focused on reliable, secure, and scalable systems while developing high-performing teams.

Experience

Transition from PolySign as part of an acquisition, Ripple – San Francisco, CA · July 2024 – Present
- Built infrastructure for secure Multi-Party Computation (MPC) system.
- Led end-of-life transition for Standard Custody platform.

Director of SRE, PolySign, Inc. – San Francisco, CA · March 2020 – June 2024
- Led a team of 6 engineers and multiple contractors in designing and supporting the Standard Custody - a certified custodial platform with stringent US security and reliability requirements.
- Mentored team members in best practices for infrastructure, reliability, and security, driving continuous improvements and team growth. This led to robust, self-healing infrastructure with low number of user-impacting incidents (an average of 6 per year).
- Led technical hiring assessments across all engineering disciplines including security, backend, frontend, and SRE roles throughout the organization. Helped to grow the company from 20 to 60 engineers.

Team Lead/Development Manager, Grid Dynamics – Russia → San Francisco, CA · Sep 2011 – March 2020
- Led distributed Software Engineering team of 30 engineers working on internal tooling and development process automation.
- Grew the team in four different locations in the US and Europe: Saint-Petersburg (Russia), Kharkiv (Ukraine), San Francisco (CA), and Atlanta (GA).
- Designed and built a self-service cloud-based deployment orchestration platform, which increased release frequency from monthly to weekly releases.
- Designed and executed an experiment on migrating production workloads to Kubernetes, achieving a 60% reduction in resource footprint for user-facing applications while maintaining service quality.
- Built a dynamic, on-demand production-like environment management system, scaling to manage up to 25,000 VMs on Google Cloud along with on-prem infrastructure.
- Built Jenkins-centric CI/CD processes, automated testing, and developed chef-based deployment automation for 100 Java and NodeJS based applications. Sped up delivery and reduced downtimes in production.

IT consultant, Fides – St. Petersburg, Russia · Jul 2011 – Sep 2011
- Conducted an audit of infrastructure and processes and developed a reorganization plan.

System Administrator, Visual Trading Systems – St. Petersburg, Russia · Apr 2008 – Jun 2011
- Monitored and supported high-load production servers for Forex trading.

System Administrator, Altitudo – St. Petersburg, Russia · Jun 2006 – Mar 2008
- Designed, built, and supported shared WEB hosting platform for the clients.
- Assisted in organizing the worldwide developers' conference, Sun Tech Days, in Saint Petersburg, Russia.

Education

Saint Petersburg State University, Russia, Post Graduate Student, Physics. 2010 – 2012

Postgraduate Studies in Quantum Magnetic Phenomena: Applications of Electron Paramagnetic Resonance (EPR) Tomography to study drug metabolism and blood-brain barrier permeability.

Saint Petersburg State University, Russia, Master's Degree, Physics. 2004 – 2010

Master's Degree in Physics, with studies in Mathematics and Computer Science. Areas of focus included molecular dynamics and quantum chemistry. Contributed to building Beowulf clusters at university for high-performance computing tasks in molecular dynamics and quantum chemistry.

Licenses and certifications

Full list on request.

Deep Learning Part I, The Data Institute, University of San Francisco — May 2020

Private Pilot License, Federal Aviation Administration (FAA) — Jun 2023

Art and Science of Machine Learning, Coursera — Mar 2019

Architecting with Google Cloud Platform Specialization, Coursera — Jan 2019

Reliable Google Cloud Infrastructure: Design and Process, Coursera — Jan 2019

Cryptography I, Coursera — Mar 2015

Neural Networks for Machine Learning, Coursera — April 2017

Machine Learning, Coursera — April 2017

Technologies

Languages: Golang, Python, Clojure.

Technologies: Linux, Kubernetes, Amazon AWS, Google Cloud Platform (GCP), ArgoCD, Terraform, Docker, nCipher/Thales/Entrust HSMs.