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 (Jeremy Howard), 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 (Dan Boneh), Coursera Mar 2015

Neural Networks for Machine Learning (Geoffrey Hinton), Coursera April 2017

Machine Learning (Andrew Ng), Coursera April 2017

Technologies

Languages: Golang, Python, Clojure.

Technologies: Linux, Kubernetes, Amazon AWS, Google Cloud Platform (GCP), ArgoCD, Terraform, Docker, nCipher/Thales/Entrust HSMs, libp2p.