

Marijus Kasperavicius

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Professional profile

Creative, results-driven leader focused on building reliable, secure, and scalable products. Broad experience across the software development lifecycle, with strong hands-on technical skills and a proven ability to lead high-performing teams. Known for fostering collaboration, trust, and open communication while quickly adapting to new technologies to deliver clear business outcomes.

Continuous Technology Advancement Fostering a culture of continuous learning and innovation, with a track record defined by accomplishments in cutting-edge technologies, including mobile applications, blockchain, and AI. Currently focused on AI, adopting this powerful tool to increase efficiency and create new opportunities.

Goal-Oriented Leadership Guiding the team to success through establishing clear, measurable objectives, prioritizing goals over metrics. Prioritizing collaboration and fact-driven decisions by running lean processes such as architecture decision records or agile methodologies. Seeking opportunities to create products that put customers first.

Architecture and Automation Driven by a passion for building elegant, expandable, and efficient systems designed to last. Maintaining a strong focus on long-term goals to keep key metrics like total cost of ownership in check. Heavily investing in automation to enable traceability and shorten reaction times. Staying hands-on to remain in sync with the latest trends and technologies.

Reliability Implementation Delivering highly reliable systems with the help of well-defined metrics, a disciplined approach and robust solutions. Treating security as part of reliability and building it into the system from the start. With experience working with telecom systems achieving 99.999

Professional Experience

SIX Digital Exchange

Oct 2022, Zürich

Head of SRE

- Led a team of 6 engineers to ensure distributed ledger reliability on Kubernetes and enhance GitOps processes
- Managed an inventory of 20 systems (e.g., GitLab, Hashicorp Vault) across 10 Kubernetes clusters
- Developed a vulnerability monitoring process, resolving 80% of high-level image vulnerabilities on time
- Optimized backup architecture, cutting time from 2.5 hours to 15 minutes by storing only essential data
- Reduced cloud provider costs by 30% in a year through cost evaluations and reviews
- Created Grafana and Elastic dashboards to set and track KPIs

SIX Digital Exchange

Apr 2019 – Oct 2022, Zürich

Tech Lead

- Delivered a confidential computing-based custody solution using Intel, HP, RedHat, and Fireblocks solutions
- Assembled a demo for the Board of Directors to ensure the project's continuity

Nasdaq

Jul 2018 – Apr 2019, Vilnius, Lithuania

Principal Architect

- Delivered a production-grade eVoting system processing 50 transactions per second on a ledger

Nasdaq

Sep 2016 – Jul 2018, Vilnius, Lithuania

Lead Architect

- Led a team of 5 engineers in a successful PoC for SIX demonstrating Delivery vs Payment (DvP) on a ledger Scope management with behavior driven development, was instrumental
- Delivered a Proof of Concept for USD tokenization in collaboration with CitiBank

Telia (Omnitel, TeliaSonera) Product Development Manager	Jul 2010 – Aug 2016, Vilnius, Lithuania
<ul style="list-style-type: none"> Established governance for application development and ran projects using agile methodologies (Scrum, Kanban). Automated tests using SIPp and Cucumber; assured maintainability with Ansible. Developed a highly reusable SIP-SLEE application framework Developed a provisioning system using [Apache ServiceMix]() Introduced ElasticSearch APM for observability 	
Telia (Omnitel, TeliaSonera) VAS Architect	Feb 2009 – Jul 2010, Vilnius, Lithuania
<ul style="list-style-type: none"> Developed Messaging and IN services. Upgraded OSS system (NetAct). 	
Telia (Omnitel, TeliaSonera) Project Manager	2005 – Feb 2009, Vilnius, Lithuania
<ul style="list-style-type: none"> Managed technical projects for support systems like Inventory management, Fault management and Performance management 	
Telia (Omnitel, TeliaSonera) Senior System Administrator, Java Systems Administrator	2003 – 2005, Vilnius, Lithuania
<ul style="list-style-type: none"> Administered Java system that I have developed 	
Telia (Omnitel, TeliaSonera) Software Engineer	2001 – 2003, Vilnius, Lithuania
<ul style="list-style-type: none"> Developed self-care portal on IBM WebSphere. Exposed API for third parties to top up Prepaid services. Developed Webmail for operator customers. 	
Eltera Software Engineer	Nov 2000 – Nov 2001, Vilnius, Lithuania
<ul style="list-style-type: none"> Developed microcontroller for security systems Administered IT infrastructure 	

Education

M.S. in Computer Science , Vilnius University	Sept 2002 – June 2004
B.S. in Informatics , Vilnius University	Sept 1998 – June 2002

Technologies

Cloud & DevOps: Kubernetes, AWS, Azure, Terraform, Ansible, ArgoCD, GitOps, CI/CD, DORA metrics
Architecture & Security: Vulnerability management, Threat modeling, Enterprise Architecture, UML, ITIL, Security best practices
Programming: Java, JavaScript, Go, Kotlin, Scala, C, C++, React, Meteor, WebRTC
Monitoring & Observability: Grafana, Prometheus, Elastic Stack
Development Practices: Scrum, Kanban, Behavior-driven development, Test-driven development

Languages

English: Full professional proficiency

German: B2

Russian: Professional working proficiency

Lithuanian: Native