



Michal Styk

CTO / VP OF ENGINEERING

CONTACT

- Bratislava, Slovakia
- michalstyk.com
- linkedin.com/in/michal-styk
- github.com/styko

LANGUAGES

Slovak / Czech **Native**

English **Professional**

German **Elementary**

TECHNICAL SKILLS

CLOUD & INFRASTRUCTURE

- AWS ECS Fargate
- AWS Lambda
- AWS Batch
- EC2 / S3 / EFS
- Multi-AZ VPC
- Transit Gateway
- VPN Integrations
- Terraform

EVENT-DRIVEN & MESSAGING

- Apache Kafka (MSK)
- AWS IoT Core (MQTT)
- AWS EventBridge
- AWS Glue / Avro

DATA & SEARCH

- TimescaleDB
- PostgreSQL
- DynamoDB
- Athena
- OracleDB

DEVOPS & CI/CD

- Docker
- GitHub Actions
- AWS CodeBuild
- Terraform (IaC)

OBSERVABILITY

- Prometheus
- Grafana
- Alertmanager
- ElastAlert
- Logstash
- CloudWatch
- OpenSearch

LANGUAGES & FRAMEWORKS

- Java
- Python
- REST
- SOAP Webservices
- MQTT
- Modbus
- OPC UA
- Spring Boot

EDUCATION

Technical University of Košice

M.S. Engineering in Artificial Intelligence

2004 - 2009

Text Data Classification Using Machine Learning Methods

EXECUTIVE SUMMARY

Pragmatic, "zero-to-one" technology leader and software architect with over 17 years of engineering experience and a proven track record of scaling startup engineering from the ground up. I specialise in aligning deep technical architecture with critical business goals, bridging the gap between development teams, internal operations, and external partners. At PowereX I drove the technological vision that scaled the company from 3 to 30 employees, expanded active trading to 4 countries, and supported revenue hyper-growth from €5K in 2020 to €3.21M in 2025. My leadership philosophy is built on transparency, zero bureaucracy, and retaining top-tier talent. I remain deeply technical—acting as primary architect and administrator for core infrastructure—while building resilient, high-performing teams.

PROFESSIONAL EXPERIENCE

PowereX (PX Energy) Bratislava, Slovakia

Chief Software Engineer / De Facto CTO Feb 2019 - Present

Served as official CTO until Jan 2024; transitioned title during investor restructuring while retaining all technical, architectural, and cross-functional leadership responsibilities.

Built the company's engineering organisation and core trading architecture from scratch. Directly responsible for all technology decisions, cloud infrastructure, external technical negotiations, and leading a cross-functional engineering department of 7 engineers (5 developers, 2 DevOps).

- Business Impact & Scaling:** Led engineering execution supporting hyper-growth — revenue from €5,000 in 2020 to €3.21M in 2025. Platform manages 1.7 TWh of energy volume and 100 MW of BESS and flexibility assets across 4 active countries.
- Automated Trading:** Developed an end-to-end, 24/7 automated trading system integrating forecasting, market analysis, and real-time execution to maximise client revenue.
- Flexibility Asset Management:** Engineered real-time, AI-based management for standalone and co-located assets (BESS, PV, CHP, Telco BESS) to dynamically control each asset based on market conditions, forecasts, and technical constraints — prioritising economic performance while safeguarding asset health and lifetime.
- External Negotiation & Protocols:** Act as primary technical liaison, handling communication and negotiation with external vendors. Engineered complex integrations using REST, SOAP, Modbus, OPC UA, MQTT, and Kafka.
- Team Leadership:** Scaled the company from 3 to 30 people and established low-bureaucracy SDLC workflows. Central communication hub aligning development, DevOps, Data Science, HW team, and all other business units.
- IT Ecosystem Administration:** Principal administrator for the company's entire software and infrastructure backbone: AWS, Google Workspace, GitHub, and all internal operational tooling.

CIIT GmbH Bratislava / Wien

Senior Developer & Technical Lead May 2013 - Jul 2018

- Acted as technical mentor and cross-functional team leader across major enterprise projects.
- Analysed business processes to identify areas for technical improvement and optimisation.
- Designed architectures, integrated complex external vendor solutions, and resolved critical performance bottlenecks for high-traffic lottery and gaming systems (Euromillion, Tip2Go, MultiJoker).
- Led code reviews and collaborated directly with external vendors to align technical solutions with business requirements.

Early Career Slovakia

Various Engineering Roles 2009 - 2018

- **Senior Developer — First Data Corporation:** Nov 2018 – Dec 2018. System design, core architecture decisions, and CI POCs.
- **Software Developer — Erste Group IT:** Jan 2013 – Mar 2013. Data processing applications for the Pricing Engine loyalty project.
- **iOS Developer — Odyzeo:** Oct 2012 – Nov 2012. Created the multi-platform social event iOS application, Waymi.
- **Java Developer — Millennium:** Oct 2010 – Aug 2012. Supported the NIS system for banking operations (FO-BO).
- **Junior J2EE Developer — Cleverlance:** Aug 2009 – Sep 2010.