



# Balázs Sevecsek

## Senior Software Engineer (Contractor)

Senior software engineer and a polyglot with more than 8 years of experience in the industry who has also led engineering teams and participated in projects serving from 40,000 to 500,000 users.

📍 Tata

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🐙 [BalazsSevecsek](#) (GitHub)

🌐 [balazs-sevecsek](#) (LinkedIn)

## Work **Yat Labs**

### Senior Software Engineer

Jan 2023 – Present

Help launching the Tari chain and furthering Yat as a platform

- Boosted Tari's follower base 100x by creating a complex Airdrop game incentivizing user engagement and participation
- Helped creating Tari's desktop miner app: Tari Universe supporting MacOS, Windows and Linux
- Integrated Tari Universe and the airdrop game, giving testnet rewards for users
- Redesigned the company's paper trading game, eliminating 70% of their bugs and improving the game's reliability by 60%
- Added 2 new payment options to the Yat website.
- Automated marketing email campaigns with Customer.io, boosting retention rate by 30%.
- Implemented referral system, increasing new player count by 50%.

## Myrmidon Technology

### Lead Software Engineer

Jan 2023

Prototyping of a new graph-based methodology for AI classification.

## Glassnode-Accounting

### Senior Software Engineer (Contractor)

Jan 2022 – Jan 2023

Pioneered crypto accounting at Accounting, interfacing with crypto exchanges and wallets.

- Supervised and consulted architecture and infrastructure decisions for multiple teams.
- Guided and mentored developers.
- Optimized database operations, doubling query execution speed.
- Reduced domain model complexity, cutting database size by 40%.
- Interviewed and hired multiple engineers across teams.
- Supplied system level utilization information, boosting revenue by 10%.

## Raiffeisen Bank

### Senior Software Engineer (Contractor)

Jan 2022

Supported development of a multi-language AI chatbot for 6 countries.

- Constructed a conversation designer, reducing editing time of conversation engineering by 50%.
- Secured service-to-service communication using OAuth client credentials flow.
- Automated 3rd-party data ingestion for model training, increasing dataset size by 100%.
- Incorporated strict typing and linting, improving code quality and reducing bugs by 60%.

## Myenergi

### Lead Software Engineer (Contractor)

Jan 2020 – Jan 2022

Led the implementation of cloud-based data pipelines for smart-home IoT devices.

- Migrated 40,000 customer devices to the developed solution without major downtime in 3 weeks.
- Served over 10,000 mobile clients through GraphQL and REST API.
- Created UI for company support and remote management of devices.
- Mentored engineers and refined development practices, reducing bugs in releases by 3x.
- Reworked and augmented local tooling, improving developer experience.
- Designed architecture for 4 new services and optimized system performance by 2 orders of magnitude.
- Introduced observability with Grafana and Prometheus.

## Topdesk Magyarország Kft.

### Full-stack Software Engineer

Jan 2018 – Jan 2020

Developed a cloud-based ticketing and facility management system.

- Established secure data encryption for sensitive information storage.
- Developed an embedded chat solution, reducing ticket resolution time by 7x.
- Built an OData service, enabling business intelligence tool integration.
- Held presentations for AI and security guilds.

## KUKA Hungária Kft.

### System and Back-end Developer

Jan 2016 – Jan 2018

Engineered robotic arm systems and developed UI solutions.

- Co-engineered a new tablet-controlled web UI for the next-generation robotic arm, LBR IISY, showcased at the Hannover World Trade Fair.
- Implemented a robot scene modeling tool helping robot engineers organize their work.
- Developed a graphical programming interface for robot integration engineers, used by 4 industry partners.

## Robert Bosch Kft.

### Functional Software Engineer

Jan 2015 – Jan 2016

Developed Adaptive Cruise Control (ACC) systems for the automotive industry.

- Prototyped new adaptive cruise control product using camera input, creating new revenue streams for Bosch from existing hardware
- Enhanced radar-based adaptive cruise control functionalities for various manufacturers.
- Managed customer requirements for major car brands such as Volkswagen and Fiat.

## Knorr-Bremse Brake Systems

### Embedded Software Engineer Trainee

Jan 2013 – Jan 2014

CAN communication working group

- Working on the brake systems and CAN communication layer of trucks

## Education

### Budapest University of Technology and Economics

Electrical Engineering

Jan 2014 – Jan 2016

MSc

# Budapest University of Technology and Economics

Electrical Engineering

Jan 2010 – Jan 2014

BSc

## Certificates

### Kubernetes

Issued by **educative.io**

Dec 2023

### Machine Learning

Issued by **Coursera**

Dec 2018

## Skills

### Programming Languages

Rust

TypeScript

JavaScript

Python

Java

Go

### Backend

Tokio

Actix-web

Axum

Node.js

Express.js

FoalTs

Nest.js

### Telemetry

Prometheus/Grafana

Open Telemetry Protocol

Sentry

Elasticsearch/Kibana

### ORM

Typeorm

Sequelize

Sqlx

### Testing

Jest

Cypress

Pytest

testcontainers

### Data science

Rasa

Numpy

Pandas

Pyplot

LLMs

### Frontend

React

Vue

CSS/SCSS

HTML

i18n

### Cloud

AWS products

GCP products

Kubernetes

Docker

Docker compose

### Storage

Postgres

Redis

Memgraph

MongoDB

### Message passing

Kafka

Redis pubsub

### Version control

Git

Tfs

MKS

### Toolchain

Github CI/CD

Gitlab CI/CD

Nx

Lerna

SWC

Webpack

## Languages

### Hungarian

Native

### English

Proficient

# German

Basic/Independent

## References

I would like to thank him for his excellent contribution. We wish him every success and all the best for his future professional and private life. I would highly recommend Balázs for any position that requires a seasoned engineer with problem-solving skills. He is a dedicated and talented employee who would be a valuable asset to any organisation.

— David Garcia (Glassnode)