



Petr Kalas

FULL-STACK SOFTWARE DEVELOPER | SOUTH MORAVIAN REGION | CZECH REPUBLIC

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I am a software developer with a grown mindset, enjoying new technologies and working on meaningful solutions that make a difference.

Work Experience

Aukro, s.r.o.

Remote

FULL-STACK SOFTWARE DEVELOPER - MEMBER OF DEVELOPMENT TEAM

Apr. 2021 - Now

- Worked on many parts of optimization and overhaul of the largest Czech auction portal improving its stability, observability, and robustness. Collaborated with DevOps team migrating the platform to Kubernetes. Key technologies: **Java 17, Spring Boot 3, Angular 17, PWA, Quarkus, Elasticsearch, Redis, RabbitMQ, GitLab CI/CD, Sentry, Kubernetes.**
- Contributed to project tech breakdown and **was a crucial part of a team responsible for Aukro expansion to a new market.** Worked on a challenging mission of enhancing legacy core system with a **multi-currency auction bidding** and internationalization.
- Improved, maintained, and was **responsible for the asynchronous communication for real-time functionalities** e.g. auction bidding, resulting in a dramatic decrease in customer complaints. Key technologies: **STOMP, Websockets.**
- Collaborated with product, marketing and UX team during agile implementation of **many successfully delivered projects** including collections of auctions and bargaining features which led to new revenue streams. Worked on the **elimination of large technical debt** e.g. building a new extensible product page reducing development costs of frequent changes massively.
- Participated in **junior dev mentoring program** and **new colleagues buddy program.**

K-net Technical International Group, s.r.o.

Brno, Czech Republic

FULL-STACK SOFTWARE DEVELOPER - SOLO DEV, SMALL-SCALE PROJECTS

Jun. 2019 - Apr. 2021

- **Designed and implemented SaaS architecture** for GDPR related product. Improved large dataset processing with a simple ETL process. Key technologies: Docker Compose, Nginx, Jenkins, Traefik, Spring Batch.
- **Designed and bring into operation CD/CI solution for in-house projects.** Key technologies: Docker, Bitbucket, Nginx, Jenkins, Traefik.
- Developed Nagios module for ruled-based automated control of maintenance mode on hosts/services. Key technologies: PHP, jQuery.
- **Deployed and maintained on-premise Atlassian services** (JIRA, Confluence, Bitbucket) with many integrations and customizations. **Designed and developed several workflow-related plugins** to Atlassian Confluence for company processes eg. invoice processing. Integrated these plugins with ERP and attendance tracking. Key technologies: Java EE, Atlassian plugin SDK.
- Participated in **coding mentorship of high-school students** (short-term internships and student talent search).

K-net Technical International Group, s.r.o.

Brno, Czech Republic

PART-TIME SOFTWARE DEVELOPER - SOLO DEV, SMALL-SCALE PROJECTS

Oct. 2015 - May 2019

- **Designed, developed and maintained new GDPR related product.** Key technologies: Angular 8, Java/Spring Boot, SQL Server.
- **Developed and maintained an in-house solution for tracking company car usage** with 3rd party platform integrations. Key technologies: Android app, Angular 8, Java/Spring Boot, SQL Server.
- Developed and maintained registration solution for MS Office Arena competition based on Sharepoint Online API, Microsoft Graph API.
- **Supported a team of network/system engineers** with automation and scripting tasks. Key technologies: Powershell, Bash, PHP, Nagios.

Education

Mendel University in Brno

Brno, Czech Republic

MASTER'S DEGREE IN AUTOMATION CONTROL AND INFORMATICS (ENGINEERING INFORMATICS)

Sep. 2013 - Jun. 2019

- Master's thesis: **Multitenant personal data and consents to the processing of personal data management portal**
- Bachelor's thesis: **Draft and implementation of a tool for configuration and startup robotic framework**

Technological Educational Institute of Crete

Heraklion, Crete

ERASMUS+ MASTER PROGRAMME, COMPUTER SOFTWARE ENGINEERING

Sep. 2018 - Feb. 2019

- Projects: Distributed chat based on Kademlia DHT, Android app for organizing events

Technical Skills

Languages Java, Typescript, SQL, Javascript, Python, HTML/CSS, Bash, PHP

Frameworks Spring, Angular, Android, Quarkus, Tailwind, RxJS

Tooling Docker, Kubernetes, Redis, Elasticsearch, RabbitMQ, Maven, npm, Linux, Gitlab, Jenkins, Zabbix, Nginx

Interests & Other

Language Czech (Native), English (B2)

Interests Music, Traveling, Hiking, History & Culture, Cycling