ROMAN BOUCHNER

Software Developer & Architect

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I love programming and solving problems. With more than twenty five years of experience, I can see hidden traps in the project before the problem occurs.

I am a project-oriented. Let me know what you want to achieve and I'll help with that. I have a great experience with software architecture, backends, frontends and DevOps. I can delegate tasks to team members, develop the difficult parts and ensure the smooth running of the project.

I am a fan of quick prototyping. The prototype will help detect misunderstandings in the project requirements and allows easy changes if necessary.

Last updated: 2023-12-01

EXPERIENCE

FOUNDER AT Elementary POS: 2021 - present

Elementary POS (www.elementarypos.com) is a mobile APP for reporting cash and card transactions. The APP is used by small vendors worldwide.

Software architecture, UX design. Integration to the payment card terminals.

Experience:

Backend: Java Spring Boot scalable backend, API (mobile APP, external systems), PostgreSQL, MongoDB cluster. Advanced websocket communication. Advanced backend2backend communication.

Frontend: Javascript, Vue.js, JSP, SEO, Wordpress plugin (PHP), Web Analytics.

Mobile application: Android APP development, Android UX, Firebase, POS printing. Payment card terminals integration.

https://play.google.com/store/apps/details?id=com.elementarypos.client

DevOps: Linux, AWS (ec2, s3, networking), HAProxy, Nginx, PostgresSQL high availability.

LEAD JAVA DEVELOPER AT Direct Fidoo, a.s.: 2017 – 2023

Developing scalable Java backed for Fidoo – payment card solution for companies (www.fidoo.com).

Java backend architecture design.

Design and implementation of payment cards processing, payment card transaction pairing, 3D secure.

Design and implementation of workflow processes over corporate expenses.

Backend: SpringBoot, PostgreSQL (advanced), MongoDB, API.

DevOps:, Ansible, RabbitMQ, Jenkins, Team City, Elastic search, Kibana.

SOFTWARE DEVELOPER AT Memsource : 2017

Experience: Java, Groovy, Javascript, Angular, Bootstrap, CSS.

SOFTWARE DEVELOPER AT Aip Safe s.r.o : 2001 -2016

(www.aipsafe.cz)

Experience: Java, C++, OCR, SQL, Server/Client applications, DMS, Documentum, Workflow engines (BPM), Javascript, Angular, NodeJS, JSP, JSF, GWT, LESS, UML, WebServices, Docker, KVM, Proxmox, Zabbix, XML (XPATH, XSD, XSLT, XMLSig, XADES), BPEL, CORBA, script language interpreter.

Developing Document Management core system, workflow systems, invoice processing, long term preservation archives (METS, PREMIS, MODS, OAIS), OCR processing. Projects for: AXA pojišťovna, Komerční pojišťovna, Cetelem, ČKP, Deloitte, OZP, mBank, Mitas, Národní knihovna, Stavební spořitelna, VZP, AK Brož & Sokol & Novák.

INTERESTING OPENSOURCE PROJECTS

SPOILER PROXY: Open Source Project

Founder of Spoiler Proxy (www.spoilerproxy.com). Spoiler proxy is an open source tool designed for testing distributed environments such as microservice architecture or general application with external network dependencies.

More information (Czech only)

https://www.root.cz/clanky/spoiler-proxy-simulator-poruchy-site/

Conference talk at Linux Days 2019.

https://www.youtube.com/watch?v=22SVQY735Us

GOODBACKEND.COM:

Blog about Java programming (www.goodbackend.com).

PARAGWARE.COM:

Founder of paragware.com. Software for powered paragliding (paramotoring). Not open source yet.

www.paragware.com

https://play.google.com/store/apps/details?id=com.paragware.ppgmonitor

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CONFERENCE SPEAKER

Java Days Prague:

- 2023 - Handling error conditions on the Java backed.
- 2022 - How to create a scalable architecture.
- 2020 - The dangers of microservice architecture and how to test it.
- 2018 - How to create a long-term sustainable app

Linux Days Prague:

- 2019 - Spoiler proxy

EDUCATION

Czech Technical University in Prague: 1994-2000

Faculty of Electrical Engineering.

Master's degree. (Ing.)

Information Technology

LANGUAGES

Czech (Native), English, Spanish (Novice), Russian (Novice).

INTERESTS

Motor paragliding, Scuba diving, Yachting.