

# Jakub Zukal

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## Profile

Medior Fullstack Developer transitioning from a solid backend foundation with a aptitude for SRE. A perpetual learner, I thrive on adapting to new technologies and leveraging a wide tech repertoire. Let's code efficiently and build remarkable solutions together.

## Experience

### **DevOps/SRE; Seznam.cz**

**2021-2022**

- Implementing SRE principles and practices.
- Supporting developers in production: Understand the frustrations of Devs grappling with production issues. Act as a bridge between dev/prod environments, empathising with their challenges and burdens. Addressing their needs to streamline deployment processes.
- Implementing and managing ArgoCD instances for continuous delivery and GitOps workflows.
- Team lead for last six months.

### **Senior System Engineer; Seznam.cz**

**2016-2021**

- Management of database clusters running in OpenStack by Terraform.
- Management of production applications running in Kubernetes.
- Monitoring of apps and infrastructure with Prometheus (+AlertManager) and Grafana for real-time visibility into system metrics and performance indicators.
- Debugging and profiling apps to identify performance bottlenecks, optimize resource utilization, and enhance app stability.
- Management of Redis, Couchbase, and MongoDB clusters: installation, configuration, monitoring, and performance tuning.
- Developing custom Python utilities to automate tasks and enhance operational efficiency.
- Replaced SaltStack by Ansible.

## **System Administrator; Seznam.cz**

**2014-2016**

- Utilizing SaltStack to automate administrative tasks, configuration management, software deployment, and ensuring consistency across infrastructure.
- Management of big data infrastructure Apache Cassandra and Hadoop clusters: installation, configuration, performance tuning, monitoring, and troubleshooting.

## **Senior System Administrator; Seznam.cz**

**2011-2014**

- System administration tasks: server setup, maintenance, and troubleshooting.
- Monitoring by in-house system (simple scripting in bash, python and perl).
- Mysql: configuring and managing replication setups to ensure data consistency, high availability, and disaster recovery from backups.

## **Education**

**Masaryk University, Brno**

**2008-2010**

**Language School Miramare (English)**

**2007-2008**

## **Skills**

### **Hard skills:**

- Programming languages: **TypeScript**, Python
- Frameworks & libs: **React**, **Next**, **tRPC**, **Drizzle-ORM**, **Tailwind**, Zod, Prisma, Jest, AuthJS
- Databases: **SQLite**, **Redis**, **MySQL**/Postgres
- VCS: **git**
- Deployment: **Docker** (standalone, kubernetes), OpenShift, Vercel

### **Soft skills:**

- Teamwork and technical communication
- Troubleshooting and problem solving
- Adaptability and continuous learning