NIKOLA TASIC
Senior Software Engineer

Contact

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github.com/7aske

Skills

- *Programming languages*: Java, Kotlin, JavaScript(TypeScript), GoLang, Python, Rust, C/C++, C#, Shell/Bash.

- *Technologies/Frameworks*: Spring Boot ecosystem, Quarkus, JavaEE, Flask, React, Angular, Vue.js, Redux, Nest.js, Next.js, Nuxt.js, Node.js, TypeOrm, Tailwind.

- *Cloud*: AWS.

- *Operations*: GitLab/GitHub CI/CD, Jenkins, Docker, Kubernetes, Nginx, Rancher, Swagger.

- *Databases*: MariaDB/MySQL, PostgreSQL, MSSQL, MongoDB, Flyway, Liquibase.

- *Testing*: Junit, Pyunit, Selenium, Selenide.

- *Management*: Jira, Confluence, Trello.

Education Background

- Master academic studies at University of Nis, Faculty of Electronic Engineering, Department of Computer Science and Informatics, Software Engineering

  Started in 2022

- Metropolitan University, Faculty of Information Technologies, software engineering department

  Bsc in Software Engineering

  Completed in 2022

- Web Development Courses

  Completed in 2017

Other Interests

- Photography, 3D Printing, Board Games, Mechanical Keyboard, Cocktails, Coffee.

About Me

Results-driven Senior Software Engineer with 5 years of expertise in end-to-end software development. Proven leadership in cross-functional teams, adept at solving complex problems and delivering high-quality solutions. Committed to continuous learning and staying at the forefront of emerging technologies. Passionate about optimizing code and contributing to a collaborative work environment.

Professional Experience

Vega IT
Feb 2022 – Present

Appointments SaaS Platform | Software Architect
Aug 2023 – Present

Key responsibilities:
- Developing new and evolving/maintaining existing multitenant microservices infrastructure deployed on **AWS**.
- Maintaining different AWS services (SQS, S3, Cognito, Route 53, IAM, RDS, CloudFormation).
- Working on various backend microservices written in Spring Boot and **Java 17** using **Postgres** as the preferred database.
- Performing and monitoring **EKS** cluster upgrades for production environments.
- Handling daily support cases alongside regular tasks.
- Working on microfrontend applications developed in **Vue.js**.

Crypto Trading Platform | Backend Engineer
May 2022 - Jan 2023

Key responsibilities:
- Building and integrating new **Spring Boot** services responsible for keeping track of crypto transactions using **SQL Server**.
- Participation in infrastructure planing and proposals.
- Integration with a well-known crypto custodian used to store user's assets.
- Developed a complex wallet migration process to optimize client's spendings.
- Real-time integration with a well-known **crypto trading** software solution.
- Working on the frontend dashboard that contains precise information about crypto market cap, volume, orders (limit, ioi, market) and prices.

Internal | Software Engineer, Tech Mentor
Feb 2022 – Present

Key responsibilities:
- Providing technical education, consulting and education of colleagues in Java and related technologies.
- Conducting **technical interviews** for different positions (FE, BE, QA, internships).
- Working closely with Managers to help improve the process of employee project placement and selection.
- Backend and DevOps work on developing an internal employee management application (Spring Boot, .NET, MongoDB, Postgres).

Professional Experience

Innovative Software Technologies | Software Engineer, BE Lead
Oct 2019 - June 2022

Key responsibilities:
- Fullstack (Java 8, 11, Angular 13) development of an information system for a large university.
- Mentoring of colleagues and performing code reviews.
- Working on setting up CI/CD pipelines using **GitLab** and **Jenkins**.
- Working on evolving complex database schemas and writing technical documentation.
- Performing production upgrades and database migrations using **MySQL** and **Oracle**.
- Development of a software requirements application in **React**.
- Development of a reporting service written in **Flask**.
- Development of a financial service used to calculate employee salaries using **Python**.
- Maintenance of the on-premise **Linux** infrastructure (CentOS, Ubuntu).
- Active work in attempts to introduce best practices and improve the existing development process.

Frigo Realestate | Software Engineer
Dec 2020 - June 2021

Key responsibilities:
- Development of a backend application for a real estate company in **Spring Boot** using **MariaDB**.
- Deployment and maintenance of the finished system on DigitalOcean **VPS**.
- Development of a complex and extensive query language for the application's **REST** services.

Zen Studio | Software Engineer
Feb 2020 - Aug 2020

Key responsibilities:
- Development and deployment of a fullstack web shop application using **Node.js** and **React**.
- Integration and reverse-engineering of a **WordPress** payment processing plugin to allow it to work within the existing codebase.
- Development of a blog CMS in **JSP**.
- Rewrite of the backend application few years down the line in **Spring Boot** to support additional features.
- Software maintenance.

Personal Projects

grain | github.com/7aske/grain
Java

- Web framework written in Java.
- Reflection based Dependency Injection system.
- Custom templating programming lanugage for development of MVC applications.
- Spring Boot Starter-like libraries for autoconfiguration (ingrations with Tomcat, Hibernate, Thymeleaf etc.).
- Custom webserver (Silo) handling HTTP/1.1 requests.
- Security library allowing RBAC implementation.
- Maven plugin allowing easy fat-jar build of any application using the framework.
- Modular design allowing individual component to be used rather than whole framework.

rawsort | github.com/7aske/rawsort
GoLang

- Small fast utility for sorting RAW photos.
- CLI interface allowing user to specify the format in which the photographs are sorted (eg. manufacturer/model/date/date.ext).
- Reading metadata from EXIF format files.

rgs | github.com/7aske/rgs
Rust

- Multi-threaded CLI utility for management of Git repositories.
- Shows data about ahead/behind status for all local branches and shows the amount of files modified in the working tree in a batch manner.

strap | github.com/7aske/strapparser
Kotlin

- Utility for generating Spring Boot projects using a custom configuration language.

lang | github.com/7aske/lang
C

- Programming language compiler for a personal made-up language.
- Very limited set of functionalities with bare minimum type checking that GCC can compile from generated assembly.