Juraj Noge

Software Engineer

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Software engineer attracted to computers since early childhood. Driven by programmer's virtues such as curiosity (*"How does this work?"*) and laziness (*"How could I make this easier?"*) , writing code is both a profession and a hobby for me. I see it as a craft and want to take pride in my work. Therefore I am rarely satisfied with *spaghetti* code, even if it technically works. I do not identify with any programming language, library, or framework. Instead, I am always evaluating what is the best tool and approach for the problem at hand. Modern software development is a team "sport", so apart from expanding my technical knowledge, I also don't neglect my soft skills, such as giving and receiving feedback, or the art of clear communication. I also like to stay in touch with the trends and tech community via portals like Reddit, or HackerNews. For more informal introduction and collection of my side projects, please visit my personal website at https://noge.dev.

Experience

2020 - present

Software Engineer

CleverFarm

Worked on the in-house product: web application giving farmers the capabilities to effectively manage their farms, work more sustainably with the help of satellite data and IoT sensors, and automation of some of the processes (such as regulations compliance checks). I was focusing on the backend developed with microservices architecture and deployed to the cloud. I maintained and developed new endpoints for the REST APIs, helped to develop new microservice from scratch (for sending mail/SMS notifications to users when certain conditions are met), led an effort to reduce technical debt by migrating our used frameworks to more recent versions and wrote database scripts to make common support tasks more reliable and quicker. I enjoyed a high degree of autonomy in my work and had a say in both business and technical aspects of newly developed features.

Technologies: Kotlin, Java, Python, Spring Boot, Spring Cloud, Hibernate, jOOQ, PostgreSQL, AWS, and others

07/2018 - 07/2019

Software Engineer

CloseIT

Participated in the development of web application used by analysts in financial institutions to govern, monitor, and validate their risk models. I was part of the development team of this product almost from day 1, meaning I had a significant impact on the overall architecture of the backend and (REST) API. My biggest contribution was the integration of the jBPM workflow engine in the application, enabling users to design and monitor workflows in different stages of the risk model's life. I also helped with LDAP authentication system and wrote some non-trivial database views for reporting purposes.

Technologies: Java, Spring Boot, Hibernate, PostgreSQL, Bash

2017 - present

Creator / Maintainer

jard

In my spare time, I develop and maintain an open-source web application for painless management of anonymous imageboards/discussion forums . I wrote the entire codebase (around 18k lines of code) from scratch and handled all parts of the product lifecycle from initial development, refactorings, deployment (CI/CD pipelines, static analyzers, Docker, Heroku), release (DNS settings), and documentation. I aim to keep the code clean and well tested.

Technologies: Java, Kotlin, TypeScript, Spring Boot, React, Hibernate, PostgreSQL, Heroku, Docker, and others

05/2017 - 03/2018	**Software Engineer**

Sprint Innovations

I developed web applications for business clients in various areas, such as a system to automate the process of ending the tenancy and handing over the deposit. Even though this was my first job, given the small size of the development team (3 members), I had to show a high degree of independence and responsibility. I made an impact in many diverse areas of the product, from designing REST API endpoints and integrating 3rd party systems (such as Twilio and Sendgrid), to writing data migration scripts and designing e-mail templates.

Technologies: Java, Python, HTML, CSS, Spring, Hibernate, Google AppEngine

Education

09/2016 - 07/2020	**Faculty of Informatics, Masaryk University, Brno**

- Applied Informatics study field
- Passed all required courses (grades in top 75th percentile), did not finish bachelor thesis

09/2008 - 06/2016	**Gymnázium, Grösslingová 18, Bratislava**

- 8-year grammar school with focus on math

Skills

Java (16) & Kotlin - *Spring (Boot), Hibernate, Maven, jOOQ, Jackson, JSoup, JUnit, Kotest, Mockk, Mockito...*

Javascript/Typescript (ES2020) - *React (react-router, react-hook-forms), ESLint, Prettier, Material UI, Semantic UI, styled-components, axios...*

Python (3) - *openpyxl, requests, BeautifulSoup...*

SQL, HTML5, CSS3

C, C#, C++, Haskell, Bash

Operating systems - *Windows, Linux (Ubuntu, Fedora, Mint), macOS*

Developer tools / Others - *git, PostgreSQL, MariaDB/ MySQL, Docker, Heroku, AWS, Google App Engine, Travis CI, GitLab CI, Circle CI, SonarQube, REST API design, IntelliJ IDEA, Eclipse*

Languages

Slovak, Czech - native speaker

English - C1