

Vedran Novak

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PROFESSIONAL EXPERIENCE

IBM iX

May 2022 - Present

Software Developer

- Worked on large and complex projects, including the biggest e-commerce platform in Switzerland and a webshop for the world's #1 supplier in construction solutions.
 - Reduced the average time for extracting shop product data for the Recommendation System (Machine Learning) from 3 hours to 2 minutes, optimizing a process that runs three times daily.
 - Contributed to a major redesign of communication with SAP ERP as part of a digital transformation, streamlining data exchange and enhancing system efficiency.
 - Optimized frontend performance by integrating image compression libraries, reducing image sizes by ~1TB and improving page load times by 30%.
 - Automated SAP Commerce upgrade processes, saving significant development time and reducing manual effort, minimizing the risk of errors and regressions.
 - Redesigned login and registration logic and integrated both backend and frontend for a new SSO authentication system.
 - Optimized a complex algorithm for calculating delivery dates on the backend and efficiently rendering the results on the frontend.
 - Improved test coverage across Unit, Integration, and API tests, improving code reliability and maintainability.
 - Collaborated with cross-functional teams to define and clarify requirements, implementing product availability and delivery interval features that enhanced scheduling and customer satisfaction.
 - Provided 24/7 engineering support through on-call rotation, managing backend releases, production operations, and maintaining logging, monitoring, alerting, and dashboard systems.
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EDUCATION

Faculty of Organization and Informatics

Graduation Date: Sep 2022

Master's degree, Information and Software Engineering

Faculty of Organization and Informatics

Graduation Date: Jul 2020

Bachelor's degree, Information Systems

SKILLS

Java · Groovy · Spring Framework · Hibernate · Lombok · JavaScript · TypeScript · React · TailwindCSS · CSS · HTML · PostgreSQL · FlexibleSearch · Bash · Git · Docker · Kubernetes · SAP Commerce Cloud / Hybris · Swagger · Google Cloud Platform (GCP) · PubSub · Messaging · Prometheus · Grafana · Dynatrace · Kibana · CI/CD · GitHub Actions · TDD · Jira · Confluence

INTERESTS

Web Development · Mobile Development · DSA · Reading · Formula 1 · Coffee · Basketball