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Luka Jeremić

Portfolio web site
Github
LinkedIn

Education and Certifications

- **RAF – School of Computing (RAF), University UNION**.
    - Bachelor of Computer Science — **Oct. 2019 – Oct.2023**
    - Masters of Computer Science — **Oct. 2023 – Ongoing**
- **English: C1 Advanced (CAE)**

Experience

- **Banca Intesa Beograd** – Full-Stack and Dev Ops engineer **Apr.2024 – Ongoing**
    - *Tech stack: C# .NET | Angular | MySQL | Microsoft Azure Pipelines | Bash Scripts*
    - I have enhanced the existing automated Azure pipeline deployment system to support additional components, such as RDLs, SQL database scripts.To reduce repetitive tasks, constructed an automated emailing system for deployment notifications.Additionally, I developed a web application to schedule and organize tasks across the department, replacing an outdated system and significantly improving team efficiency.
- **Freelance**
    - Assisted in web application development on platforms like Fiverr.
    - Supported students with academic and personal projects, offering guidance in software development and problem-solving.

Projects

- **Financial web application**
    - *Tech stack: Java | Spring | JUnit, Mockito, Cucumber | MySQL| Angular | RabbitMQ | Docker | Kubernetes*
    - Managed a team of 20 people across three sub-teams with their team leaders reporting to me, for the development of a group banking web application simulates banking and stock trading, adeptly deployed on Kubernetes.
    - Orchestrated the development of interconnected sub-modules and concurrent modules which are designed to emulate stock and futures markets.

- **Docker Swarm and Kubernetes comparison**
    - *Tech stack: Java | Spring | Docker | Docker Swarm | Kubernetes | Prometheus*
    - Conducted a comprehensive comparison of Docker Swarm and Kubernetes systems for a master's project. Deployed a small test application on both orchestration platforms, using Linode and Civo as deployment environments.
    - Utilized Prometheus and Grafana for performance monitoring, with a metrics server on Kubernetes for a more detailed analysis.
    - Implemented auto-scaling on Kubernetes using the Horizontal Pod Autoscaler (HPA) based on data gathered from monitoring. For Docker Swarm, developed a Python auto-scaling script integrated with Alertmanager.

- **Cuttle web game**
    - *Tech stack: Java | Spring | WebSocket, SockJs, StompJs*
    - Developed a multi-player web application designed for up to four participants. Utilizing coordinate tracking and DOM tree filtering to build an iteractive UI. The application operates in real-time, with gameplay and visual updates facilitated through a multi-socket system, ensuring continuous data synchronization across multiple players.and is backed by a central server.

Technologies

- **Languages**: Java, C#, Kotlin, JavaScript, Typescript, HTML5, CSS3, Python, SQL

- **Frameworks and technologies:** Spring, Git, Docker, Kubernetes, Jetpack Compose, MongoDB, MySQL, MariaDB, Angular, Vue, Node, Figma