LUKA UDOVICIC

Software Engineer Graduate

Horsens, **RELOCATABLE**
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As a dedicated Software Engineering Graduate from VIA University College, I bring a versatile skill set shaped by a diverse knowledge of programming languages, including Java, JavaScript, C#, and SQL. My proficiency in Git, GitHub, and design principles, combined with strong communication skills, equips me to adapt and excel in various professional environments. I am eager to pursue a career in Software Development.

Hard Skills

- .NET C#
- Java
- PostgreSQL
- WebAPI
- JavaScript
- Docker
- TypeScript
- React
- Vue
- Node/Express
- Azure

Soft Skills

- Communication
- Teamwork
- Adaptability
- Problem-Solving
- Critical Thinking
- Time Management

Languages

English

Danish

Croatian

Hobbies & Interest

I'm passionate about language learning, currently focusing on Danish, and I find the process stimulating. I prioritize staying active by going to the gym regularly and enjoy playing sports to maintain fitness and teamwork skills. In my downtime, I relax by playing video games.

Experience

Software Engineer Intern

OrderBuddy | Copenhagen, Denmark — August 2023 - Jan 2024

Focused on front-end development using Vue.js and Quasar frameworks. I upgraded code versions and transformed SPA into PWA, contributing to platform performance and user experience. Engaging in test case design and execution deepened my understanding of quality assurance, while research on admin dashboards and payment gateways expanded my tech perspective and analytical skills. This hands-on experience kept me updated on the latest web development trends and best practices.

Kitchen

KFC | Horsens, Denmark — May 2021 - Jan 2025

Supported kitchen operations by ensuring efficient workflows and maintaining high food quality standards in a fast-paced environment. Streamlined preparation processes to optimize performance during peak hours, enhancing service speed and teamwork. Focused on adherence to strict hygiene and safety protocols, honing attention to detail and discipline. This experience sharpened my problem-solving skills and taught me the value of clear communication and collaboration in achieving operational goals.

Education

Bachelor Software Engineering

VIA University College — Aug 2020 - Jan 2025
Horsens, Denmark

High School of Electrical Engineering

Sep 2016 - Jun 2020
VIA University College
Mostar , Bosnia i Herzegovina

Notable Projects

DineEase Unified Booking System

Hard Skills Attained: .NET C# , WebAPI , Azure SQL Database, Docker, React.js , TypeScript, Azure WebApp, Azure Blob Storage, TailwindCSS , Github Actions , CI/CD , Azure Container Registry , Jira , Trello
Soft Skills Attained: Leadership, Project Management, Communication, Teamwork, Paired Programming

Bachelor Project | Horsens , Denmark — Feb 2024 - Jan 2025

- Developed and implemented a system architecture using React.js for the frontend and .NET C# for the backend, both packaged in Docker containers for streamlined deployment.
- Designed the backend with Clean Architecture to ensure scalability and maintainability, organizing the system into layers: Entities (business logic), Use Cases (application logic), Interface Adapters (data transformation), and Frameworks/Drivers (external systems). This structure promotes flexibility by allowing the easy replacement of external services.
- Integrated Azure Blob Storage for secure image storage, MapBox API for location services, and Azure SQL Database for data management. Utilized MailTrap for reservation-related email notifications.
- Automated the CI/CD process using GitHub Actions, triggering the pipeline on changes to the main branch. The pipeline builds Docker images for both frontend and backend, pushes them to Azure Container Registry, and deploys them to Azure Web Apps.
- Applied SOLID principles in the backend, ensuring each component adheres to best practices. The ReservationController communicates with the Application Layer, handling logic and integrating with email services for notifications.

Smart Gym System

Hard Skills Attained: Java, Hiberate , PostgreSQL, Spring Boot, AWS Elastic Beanstalk, Git & Github, Power BI
Soft Skills Attained: Teamwork, Project Management, Communication

Semester Project | Horsens , Denmark — Feb 2023 - May 2023

- The project focused on designing a software solution with hardware sensors (temperature, light, humidity, CO2) and an Android-based user interface, supported by a multi-user backend. The team of 10 members used Java, C, and assembly for the integration.
- The architecture included sensors for data collection, an application layer for control, and LoraWAN for communication. The Data Web API consisted of WebSocket for real-time data exchange, PostgreSQL for storage, and a REST server interfacing with the Android app.
- Deployed the system on AWS Elastic Beanstalk and adhered to SOLID principles for maintainability. Scrum, managed via Jira, facilitated collaboration, while Git & GitHub handled version control. Astah Software was used for system design and diagrams.
- The backend followed an N-layer architecture, using Hibernate for ORM and PostgreSQL as the database. Power BI was used for visualizations. A star schema was implemented for the data warehouse, supporting efficient querying, and the ETL process transformed raw data for analysis.

Fitness Tracker System

Hard Skills Attained: .NET C#, Java , WebAPI , Blazor , Spring Boot , gRPC , Git & GitHub, Scrum
Soft Skills Attained: Teamwork, Project Management, Communication

Semester Project | Horsens , Denmark — Sep 2022 - Dec 2022

- distributed system using a three-tier architecture, ensuring efficient data transfer between presentation, logic, and data tiers.
- Integrated REST and gRPC communication, enabling seamless data exchange between the logic and data tiers, with JDBC handling database persistence.
- Applied Clean Architecture principles, separating concerns into entities, use cases, and interfaces, enhancing scalability and maintainability.