Ilkim Yagmur Ersem

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EDUCATION

Bachelor of Science

Major: Computer (Software) Engineering

Universität Duisburg-Essen

PROFESSIONAL EXPERIENCE

AIoT Consultant @Bosch Digital, Berlin   **Oct 2022 - Aug 2023**

- Developed components for internal virtual reality (VR) events using Blender and Unity.
- Provided B2B consultancy services for industrial Metaverse use cases and applications.
- Engaging in web development for a digital blockchain wallet website utilizing ReactJS. The website incorporates a calculation mechanism to determine the CO2eq emissions generated by each Azure-based application created, while also issuing sustainability certificates to users for their respective applications.
- Developed an online Virtual Reality (VR) device survey platform utilizing ReactJS, catering specifically to business consultancy needs.
- Created user-friendly and intuitive interfaces for Generative AI using Python and Streamlit.

Thesis Student @Bosch.IO GmbH, Berlin   **May 2022 - Jul 2022**

Accomplished my bachelor's thesis with Bosch.IO, concentrating on "Design and Implementation of an Orchestration Concept within an Agnostic Prototyping Tech Stack" Pioneered the development of OLIS, a technological framework designed to expedite prototyping procedures and mechanize iterative assignments, serving as a pivotal element within the thesis initiative. Showcased adeptness in simplifying elaborate workflows and augmenting productivity by crafting a tech module that substantially diminishes intricacies and automates repetitive functions.

UX & Frontend Developer Intern @Bosch.IO GmbH, Berlin   **Nov 2021 - May 2022**

- Engaging in frontend development for a customer website by utilizing JavaScript, React, HTML, and CSS to craft standardized components throughout the webpage.
- Conducting A/B testing and personalization of Bosch DIY through the utilization of Optimizely and JavaScript.
- Developing bots within MS Teams using Node.js, JS, and Azure services.

PROJECTS   **github.com/ilkime**

Personal Portfolio

Developed a personal portfolio showcasing a diverse collection of my projects, skills, and achievements.

Technologies Used: ReactJS, Docker, Agile Methodology: Jira

Identity Server Provider

Created a Python microservice to handle identity, it exposes the authentication service via a Restful API. User can register an account by providing a username and a password, which will be hashed with salt and stored in an Oracle database. Once a valid credential is received, a JWT token will be returned. To prevent the risk of having a valid JWT token after the user has been logged out, the token will be blacklisted on logged out. This project will also serve as a proof of concept for a future project.

Technologies Used: Python, OracleDB, Restful API, SwaggerUI, Docker, Kubernetes, FastAPI, JWT

Task Manager

Created a To-Do List web application using FARM Stack.

Technologies Used: Python, ReactJS, FastAPI, MongoDB, Docker, Docker Compose

Camping Website

Designed and executed a proof of concept camping website that exemplifies my web development skills. This project features an intuitive user interface, interactive campground listings, and seamless navigation.

SKILLS

Web Development Tools: ReactJS, Javascript, HTML5, CSS3, Streamlit

Programming Languages: Python, C++, SQL

Databases: OracleDB

Wireframing Tools: Figma, Miro

Graphical Development Tools: Node-RED

UX Testing: Optimizely

Cloud Technologies: Microsoft Azure

CI/CD: Docker, Kubernetes

APIs: RestAPI

LANGUAGES

German - B2

English - Business Fluent

Turkish - Native

Japanese - Beginner