Qendrim Vllasa

CLOUD SOFTWARE ENGINEER

Profile

As a passionate developer with a Master's degree, I am enthusiastic about state-of-the-art technologies and euphoric about a future in which IoT is a household name, industrial product development is hardly possible without a virtual twin and networked machines learn from their environment. Due to my experience in technologies such as virtual reality, IoT and cloud solutions, writing code is a perfect tool for me to express my fascination and creativity.

Cloud Software Engineer, Thyssenkrupp Presta AG, Eschen, FL

MARCH 2023 — TODAY

- Focus on advanced data analysis in the manufacturing process to increase operational efficiency.
- Development of state-of-the-art applications using modern frameworks, technologies and microservice architectures.
- Development of a comprehensive application to detect anomalies in manufacturing processes in order to maintain the highest quality standards.
- Taking a crucial and responsible role in developing the largest internal data analytics application that provides a unified platform for different use cases and can be used by all departments and production sites worldwide.
- Enabling users to use machine data to create personalised dashboards. This promotes a data-driven culture and improves decision-making.
- Significantly contribute to increasing manufacturing efficiency by implementing data-driven solutions with measurable impact on operational excellence

Frameworks | Methods | Technologies:

React | NodeJs | ExpressJs | SAP HANA SQL | HDI Container |Python | flask | SCRUM | MS Azure | Gitflow

Lead Software Engineer, Newboxes GmbH, Friedrichshafen

DECEMBER 2022 — MARCH 2023

- Development of features for the existing design verification portal at the customer Rolls-Royce Power Systesm (formerly MTU Friedrichshafen), which is used in engine development by over 500 development and test engineers to verifiably verify a wide variety of designs of products such as a 20-cylinder engine.
- Creation of conceptual and modular solutions that optimize customer or departmental processes.

Personal Information

Lohstrasse 7
Kreuzlingen, 8280
Switzerland
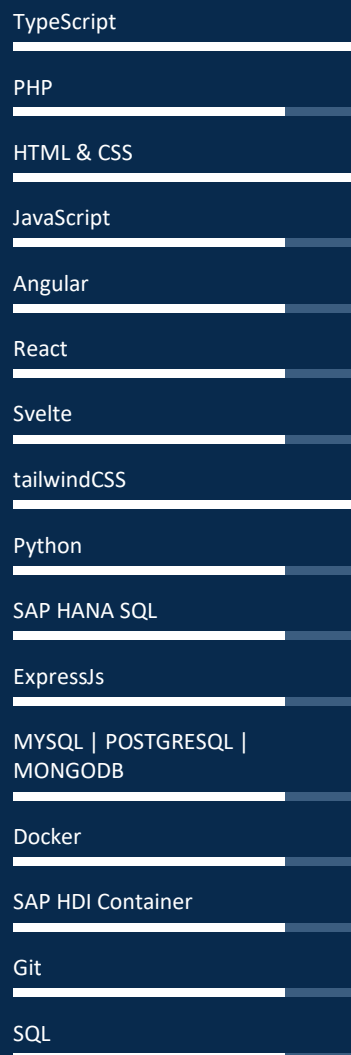+41 77 47 49 37 0
qendrim.vllasa@gmail.com

NATIONALITY

German

BIRTHDATE

14.08.1992

Links

Personal Homepage
Linkedin
Github

Skills

TypeScript

PHP

HTML & CSS

JavaScript

Angular

React

Svelte

tailwindCSS

Python

SAP HANA SQL

ExpressJs

MYSQL | POSTGRESQL | MONGODB

Docker

SAP HDI Container

Git

SQL

- Development of an enterprise resource planning system for a medium-sized plastics distributor.
- Internal and external consulting of work colleagues and potential customers on IT-specific topics.

Frameworks | Methods | Technologies:

Svelte | Inertia.js | Laravel | Symfony | TimescaleDB | MS PowerBi, Sharepoint | Docker | Gitlab | PostGreSQL | Gitflow

Software Developer & IT-Project Lead, UPSTART Engineering GmbH, Friedrichshafen

JANUARY 2021 — DECEMBER 2022

- Project management for the project 'Digitalization Project Change Management' at our customer Rolls-Royce Powersystems.
- Development of a tool according to an agile approach for the project 'Digitalization Project Change Management'.
- Further development of existing sharepoints at our customer Rolls-Royce Powersystems.
- Technical IT consulting both externally for our customers and internally.

Frameworks | Methods | Technologies:

Svelte | Laravel | Symfony | TimescaleDB | MS PowerBi, Sharepoint | Docker | Gitlab | Gitflow

Software Developer & IT Consultant, Project Engineers & Consultants GmbH, Friedrichshafen

JANUARY 2020 — DECEMBER 2022

- Development of a demonstrator for product cost management at the customer Rolls Royce Power Systems.
- Introduction of a cross-site intranet for PEC.
- Consulting and development of an intranet and analysis tool for environmental targets at the customer Rolls Royce Power Systems.
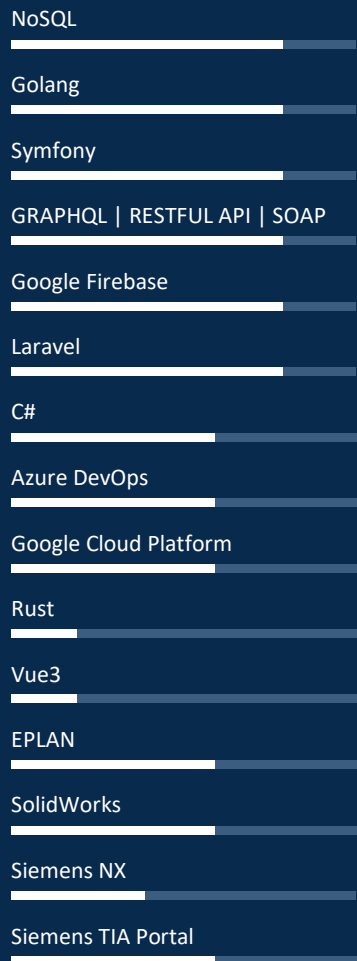
Frameworks | Methods | Technologies:

Symfony | Angular | MS PowerBi, Sharepoint, Power Apps & Power Automate | Docker | Azure DevOps | PostGreSQL & MySQL | Gitflow
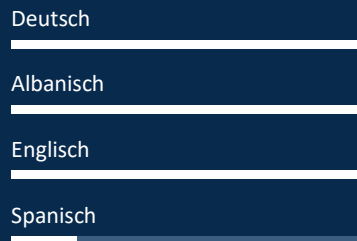
Intern Cloud Solution Services, Siemens Industry Software GmbH, Karlsruhe

OCTOBER 2018 — DECEMBER 2019

- Provide technical support to colleagues.
- Automation of workflows using Python, C# and JavaScript.
- Training content creation and review.
- MindSphere Tenant Management and Sharepoint Management.
- Participation in trainings such as 'IoT Development' and 'Connectivity for MindSphere'.

NoSQL

Golang

Symfony

GRAPHQL | RESTFUL API | SOAP

Google Firebase

Laravel

C#

Azure DevOps

Google Cloud Platform

Rust

Vue3

EPLAN

SolidWorks

Siemens NX

Siemens TIA Portal

Sprachen

Deutsch

Albanisch

Englisch

Spanisch

Hobbys

Drones, Meditation, Videoediting Virtual Reality, Fitness, Trading

Studies

Master of Science in Economics Engineering, Karlsruhe Institute of Technology, Karlsruhe

APRIL 2016 — MARCH 2019

Master-Thesis: Automated virtualization of systems by merging ECAD, MCAD and programming

Grade: 1,3

Bachelor of Science in Economics, University of Constance, Konstanz

OCTOBER 2011 — APRIL 2015

Bachelor-Thesis: The impact of culture on reputation and the scope of trustworthiness: online experiments in India and the U.S.

Grade: 2,7

Side Projects

newboxes.com

For my current employer I created the homepage. Together with a web designer we were always in close exchange.

Result: newboxes.com

webqube.de

Currently, I am working on a platform based on notion.so, on which potential customers can have a website created in an agile way and without having to provide prior knowledge or necessary input. All requirements and change requests are managed and tracked via the platform. This way, both client and developer stay organized along the creation process and there is no need to distribute documents with each other on other channels.

The complexity was mainly that each customer gets his own subdomain right after creating a project and can also capture his requirement as granular as possible.

The project is based on Angular and uses multiple cloud services from Google Cloud Platform.

Result: In Progress

dronegraphy.de

To combine my love for flying my drone and developing my skills, I am working on a platform where pilots can sell their footage.

For the development of the platform I use the programming language GO together in a microservice architecture. For the frontend Angular is used.

Result: In Progress

Virtual Engineering Practical Course

As a Core Developer in the Virtual Engineering Internship, I developed the communication between a VR environment and the game 'Factorio'. Furthermore, I developed the navigation and the camera perspectives.

Last but not least, I was responsible for video editing and modeling of a VR environment.

Result: Video

das-karateprinzip.de

For a business coach I implemented a website including appointment booking system.

The project is based on Wordpress in this case, because the relation between effort and benefit are an important factor.

Result: das-karateprinzip.de

hp-heizungbau.de

For a heating company from the region I implemented a website including for the company presentation.

The project is based in this case on Wordpress, because the relation between effort and benefit was an important factor.

Result: hp-heizungsbau.de