Qendrim Vllasa

LEAD SOFTWARE ENGINEER IN
DATAMANAGEMENT AND INTELLIGENCE (DMI)

Profile

Innovation-driven Software & Data Engineer who designs modern cloud, data- and AI architectures and delivers production-ready code. I build scalable apps and microservices, transform raw data into real-time insights and achieve measurable gains in efficiency and quality.

Professional Experience

Lead Software Engineer (DMI), Thyssenkrupp Presta AG, Eschen, FL

JANUARY 2024 — TODAY

- Technical lead of an interdisciplinary team developing data-driven software solutions.
- Optimized data management and developed advanced analytics methods.
- Built and continuously improved data infrastructure (pipelines, warehouses, lakes).
- Ensured platform scalability for BI and complex analytics use cases.
- Created data-driven decision tools using machine learning and artificial intelligence.
- Worked closely with business units to translate requirements into technical solutions.
- Secured high data quality through automated validation and continuous monitoring.
- Extensive experience in BI, cloud computing, Python, JavaScript, TypeScript and other technologies plus agile methods.
- Committed to a cooperative, growth-oriented work environment.

Frameworks | Methods | Technologies:

REACT | NODETS | ELASTICSEARCH | SAP HANA SQL | PYTHON | FLASK | SCRUM | AZURE DEVOPS

Senior Cloud Software Engineer, Thyssenkrupp Presta AG, Eschen, FL

MARCH 2023 — JANUARY 2024

- Focused on advanced data analytics in manufacturing processes to boost operational efficiency.
- Built cutting-edge applications using modern frameworks, technologies and microservice architectures.
- Developed a full-featured anomaly-detection application for production lines to keep the highest quality standards.

Personal Information

ADDRESS

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Switzerland
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NATIONALITY

German

BIRTH DATE

14.08.1992

Links

Homepage
Linkedin
Github

Skills

Programming Languages

TypeScript | Python | JavaScript | Go | PHP | C# | Java | SQL | NoSQL

Frameworks & Libraries

Nextjs | Angular | Svelte | Tailwind CSS| Symfony | Laravel | Flask

Databases & Datamanagement

PostgreSQL | MySQL | MongoDB | SAP HANA | Meilisearch (Vector)

Cloud & DevOps

Azure DevOps | Google Cloud Platform | Docker | Jenkins | CloudFoundry | SAP BTP | GitLab | GitHub

Other Technologies

GraphQL | RESTful API | Firebase | SAP HDI | Websockets

- Played a pivotal role in creating the company's largest internal analytics platform — a unified solution that serves multiple use cases and is used worldwide across all departments and plants.
- Enabled shop-floor users to turn raw machine data into personalised dashboards, fostering a data-driven culture and better decision-making.
- Delivered measurable gains in manufacturing efficiency by implementing data-driven solutions that directly improved operational excellence.

Frameworks | Methods | Technologies:

REACT | NODEJS | EXPRESSJS | SAP HANA SQL | HDI CONTAINER |PYTHON | FLASK | SCRUM | AZURE DEVOPS | GITFLOW

Lead Developer, Newboxes GmbH, Friedrichshafen

DECEMBER 2021 — MARCH 2023

- Developed new features for the Design Verification Portal at Rolls-Royce Power Systems (formerly MTU Friedrichshafen), a tool used by 500+ development and test engineers to formally verify diverse product designs, including a 20-cylinder engine.
- Created conceptual, modular solutions that streamlined customer and departmental processes.
- Built a fully fledged ERP system for a mid-sized plastics retailer.
- Provided internal and external IT consulting to colleagues and prospective clients on effort estimation, technical feasibility and process optimization.

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 2021

- Project lead for the "Digitalization Project Change Management" initiative at Rolls-Royce Power Systems.
- Developed an agile tool specifically for this change-management project.
- Enhanced existing SharePoint sites for the customer.
- Provided specialized IT consulting both externally to customers and internally to colleagues.

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 2020

- Developed a demonstrator for product cost management at Rolls-Royce Power Systems
- Rolled out a cross-site intranet for the company

Languages

German

Albanian

English

Spanish

Hobbys

Drones | Video editing | Virtual Reality Stuff

- Advised on and built an [intranet plus analytics tool for environmental](#) targets at 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

- Automated workflows using Python, C# and JavaScript
- Provided technical support and created training materials

Education

Master of Science in Economics Engineering, Karlsruher Institut of Technology, Karlsruhe

APRIL 2016 — MARCH 2019

Master-Thesis: Automated virtualization of plants by merging ECAD, MCAD and programming (Grade 1.3)

Bachelor of Science in Economics, University of Constance, Constance

OCTOBER 2011 — APRIL 2015

Bachelor-Thesis: The influence of culture on reputation and the reach of trustworthiness: online experiments in India and the USA

Latest Side Project

Guru AI

I am currently developing an AI-powered framework that links multiple specialized AI models in a cluster to automatically convert unstructured product data into structured data and provide it via APIs. The goal, besides the technical implementation, is to continuously expand my expertise in artificial intelligence and modern software development.

Preview: moebelguru.com

[Overview of all my projects](#)