Maximilian Fuchs MSc.

maxfuchs.net • maxfuchs@pm.me

Professional Experience

Senior Software Engineer   *From August 2022*
Software Engineer, *employee at 3M Health Information Systems*   *June 2020 - August 2022*

- Implemented MLOps workflows in AWS, including building, training, and deploying large models Germany, Remote

- Collaborated with cross-functional teams to understand business requirements and translate them into technical solutions

- Mentored junior team members and provided technical guidance to help them succeed in their roles

- Acquired and prepared large medical datasets for use in training and evaluating deep learning models

- Designed and implemented new functionalities for a medical natural language understanding platform in Java and XML

Research Assistent, *working student at DE-CIX*   *March 2018 – May 2020*

- Implemented and tested SDN components for production in Python and C   Frankfurt, Germany

- Wrote technical specification for federal cloud project "Gaia X"

- Performed Data Science tasks for research papers and business intelligence
  (SDN, System Engineering, Internet Infrastructure)

DevOps/Software-Engineer, *employee at EODC GmbH*   *May – November 2018*

- Deployment of services processing ESA's satelite EO data (Docker, OpenShift)   Vienna, Austria

- Bootstrapped a platform to market and consume said services in a centralized way
  (React, Node.js, GraphQL, Postgres, Stripe, Keycloak)

Web-Developer, *employee at ViewAR GmbH*   *November 2016 – May 2018*

- Introduced React and refactored the old AngularJS codebase into   Vienna, Austria
  a component based template engine

- Developed a p2p-framework for mirroring 3D models + camera feed
  (WebGL, WebRTC, ViewAR SDK)

- Developed an editor for 3D app assets (React, WebGL)

Web-Developer, *freelancer at Immowire UG*   *July 2014 – October 2015*

- Developed core-features for a social real estate platform   Remote from Vienna, Austria
  (AngularJS, WebSocket, Node.js/Sails, OrientDB)

Education

Master of Science - Media Informatics   *June 2018*
Universität Wien (Thesis: Rnd of a cloud video object tracker [Vue.js, Docker, RabbitMQ, OpenCV])

Bachelor of Science - Media Informatics   *October 2013*
Technische Hochschule Mittelhessen (Thesis: Rnd of a Shopfront-Editor [backbonejs])

Skills

Responsive Web-Apps (*Typescript, React, Vue, Svelte, Electron, WebRTC, WebGL*)
Distributed Web-Services (*Node.js, NestJS, Python, AMQP, CQRS, Redis, SQL/NoSQL, data warehouse*)
API Design (*REST, GraphQL, openAPI, oAuth2*)
Testing (*Jest, Puppeteer, device farms*)
Deployment (*GCP, AWS, Docker/Kubernetes, CI/CD, serverless, edge computing*)
Misc (*cli-apps, data migration, UI/UX design, mentoring*)

Advocate of: Functional/reactive programming, QA/test-automation, microservice architecture, event sourcing, small + frequent releases