Maximilian Fuchs MSc.

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Professional Experience

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

- Responsible for storing/structuring/retrieving a steady growing db of   Germany, Remote
  millions new images/day, which are piped through ml ocr processes.
- Responsible for the core-backend design and implementation (NestJS)
- Responsible for the ocr js SDK development/releases (Typescript, wasm)

Software-Engineer, *co-founder of Apollon OG*   *June 2019 – August 2020*

- Architect/dev of MedTech streamlining oncology processes in hospitals   Vienna, Austria
  (GCP, Kubernetes, Node.js, GraphQL, React)

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