

# Dipl. Ing. Matthias Klan

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## Professional Experience

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### Web-Engineer, employee at *Anyline GmbH*

Vienna, Austria

*From November 2018*

- Responsible for storing/structuring/retrieving a steady growing db of 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*

Vienna, Austria

*June 2019 – August 2020*

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

### DevOps/Software-Engineer, employee at *EODC GmbH*

Vienna, Austria

*May – November 2018*

- Deployment of services processing ESA's satellite EO data (Docker, OpenShift)
- 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*

Vienna, Austria

*November 2016 – May 2018*

- Introduced React and refactored the old AngularJS codebase into 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*

Remote from Vienna, Austria

*July 2014 – October 2015*

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

## Education

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### 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 [backbone.js])*

## Skills

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**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