



# Maximilian Fellner

---

## Experience

2019–present **Tech Lead in Support Applications, N26.**

### Responsibilities & projects

- Technical lead of 2 teams working on back office solutions for the bank.
- Responsible for the technical design & architecture of internal web applications.
- Responsible for the compliance of software with German bank regulations and European law.
- As a hiring manager of the team, responsible for the interview process.

2018–2019 **Senior Full Stack Developer in Internal Tools, N26.**

### Responsibilities & projects

- Designed and developed a micro frontend framework and platform for internal web applications with **React**, **TypeScript**, **GraphQL** and **Node.js**.
- Developed an IAM system for web applications with React, TypeScript and Node.js.
- Developed and maintained multiple Node.js micro services.

2017–2018 **Software Engineer in API Management, Zalando SE.**

### Responsibilities

- Build and maintain micro services using Java, Go and Node.js, deployed on Kubernetes.
- Design and develop user interfaces of web application frontends.
- Publish technical narratives and guidelines for all technology teams.

### Projects

- API Portal, a website to discover API specifications based on **Node.js** and **React**.
- API Discovery, a fleet of micro services to collect API specifications written in **Java** and **Go**.

2014–2017 **Software Engineer in Brand Solutions, Zalando SE.**

### Responsibilities

- Develop and maintain full-stack web applications deployed on Amazon Web Services.
- Agile and test-driven software development in an autonomous team.
- Maintain the complete product lifecycle including continuous monitoring and troubleshooting.

### Projects

- Brand CMS, a **content management** system for business customers with a RESTful micro service architecture using Java, Angular and PostgreSQL.
- Tessellate, a server-side webpack bundler and React renderer for Mosaic built with **Node.js**.
- Zappr, an open-source GitHub integration written in **React** and Node.js.
- Aggregated and analyzed business data using the **SciPy** stack, including Pandas.
- Built a prototype for analyzing Kafka-based event data in a **Hadoop** data lake using Hive queries.

---

## Education

- 2012–2013 **Master of Science**, *Graz University of Technology*, Austria.  
**Software Engineering and Management** Master's thesis at the Institute of Software Technology on behaviour-driven development and specification by example of visual programming languages.
- 2008–2012 **Bachelor of Science**, *Graz University of Technology*, Austria.  
**Software Development and Business Management** Bachelor's thesis at the Institute of Software Technology on the test-driven development of 'Catrobat', a visual programming language for Android.
- 2003–2008 **Matura**, *Handelsakademie Lambach*, Commercial Academy, Austria.  
Specialized in Commerce and Information Technology

---

## Certifications

- 2017 deeplearning.ai: Convolutional Neural Networks
- 2017 deeplearning.ai: Structuring Machine Learning Projects
- 2017 deeplearning.ai: Improving Deep Neural Networks
- 2017 deeplearning.ai: Neural Networks and Deep Learning
- 2017 École Polytechnique Fédérale de Lausanne: Functional Programming in Scala Specialization
- 2016 École Polytechnique Fédérale de Lausanne: Functional Programming Principles in Scala
- 2016 École Polytechnique Fédérale de Lausanne: Functional Program Design in Scala
- 2016 École Polytechnique Fédérale de Lausanne: Parallel programming
- 2015 Delft University FP101x: Introduction to Functional Programming

---

## Programming languages

- **Java** (micro services, Spring, Kotlin)
- **JavaScript** (Node.js, TypeScript, React)
- **Python** (SciPy, Flask, TensorFlow, Keras)
- **Go** (micro services)
- **Scala** (micro services, data science, Spark)
- **C/C++** (some experience)

---

## Frameworks & tools

- Git, GitHub
- Kubernetes, Nomad
- PostgreSQL
- Pandas
- AWS, Google Cloud
- Docker
- Datadog, Appdynamics
- Numpy

---

## Languages

German **Native**

English **Professional**

*Fluent in written and spoken language.*

---

## On the web

- GitHub <http://github.com/mfellner>
- Twitter <http://twitter.com/mxfellner>
- LinkedIn <http://linkedin.com/in/maxfellner>
- StackOverflow <http://stackoverflow.com/story/mfellner>