Alexander Oberlaender

Full Stack Software Developer - Specializing in C#, Typescript and React/Solid

Work Experience

Full Stack Software Developer

Moving Intelligence

2020 — present 🛗

Berlin 💡

Maintaining and developing a platform for vehicle tracking and route planning/optimization. Most notably this includes:

- RESTful back-end development in C# to make data available to clients.
- ASP.NET MVC development of a monolithic web app hosted in Azure App Service. Including C# back-end and a React/JQuery front-end written in Typescript. Driving forward the transition from JQuery to React.
- C# microservices hosted on Windows Server for making data readily available to the web app, both live using SignalR and asynchronous using SQL and EF Core.
- · Spearheading integration of external service providers such as Salesforce or Otonomo.
- · Mentoring apprentices and interns, doing code reviews and managing CI/CD **Pipelines**
- Setting up hosted GIS services (Valhalla, Nominatim, Planetiler) in a redundant Kubernetes cluster
- · Creating a GDPR compliant cookie banner and licensing overview, checking dependencies for license compliance
- Setting up a Node server for generating map images using OpenLayers
- App development with React Native

Open Source Experience

I work on a lot of open source projects in my free time. Most recently I set up a geosearch application using Rust and Meilisearch hoping to provide an alternative to Nominatim. I'm also a maintainer of the Leaflet Routing Machine. Due to my involvement on open source, I'm knowledgable about the licensing works in (F)OSS projects as well as providing adequate support for users.

Education



Vocational Training/Apprenticeship

PLT Software GmbH, now Moving Intelligence

2017-2020 Berlin 💡

During my three year apprenticeship I learned the ins and outs of C# and Javascript development. Thanks to a small team, I got real world practice from day one, experiencing a migration from .NET Framework to Core and Javascript to Typescript. During school weeks, I also gained some experience in doing business plans and managing and mentoring groups of people in an agile manner.

Interests

Open Source Rust C# Typescript React/Solid

Design Systems





Caching

Proficiences

Programming Languages

TypeScript/JavaScript HTML/CSS SQL/NoSQL Java Kotlin Rust Python

Computational Expertise

GPS data collection Route planning/optimization **Unit Testing** Licensing DevOps

Frameworks and Platforms

Redis RabbitMQ Linux Microsoft Azure Docker Kubernetes

Spoken Languages

German English French Spanish

Certifications

- Microsoft Technology Associate | Software **Development Fundamentals**
- Microsoft Technology Associate | Database Administration Fundamentals
- AZURE214x: • Microsoft Azure Fundamentals
- MPN Competency: Cloud Platform for Technical (MPN2176)
- Microsoft Certified: Azure Developer <u>Associate</u>
- AZ 483 Programming in C#