Ferdinand Torggler

FULL-STACK WEB DEVELOPER

PROFILE

I am a software engineer from Italy working remotely. I specialize in web application development using JavaScript, particularly in the areas of rich web apps and single page apps built in React and NodeJS. I am passionate about innovations and technology, especially when it comes to latest standards in web development, like frameworks and patterns. In my pare time, I am always searching for new challenges such as extreme sports or travelling to new places.

EMPLOYMENT HISTORY

DataCamp Remote — *Fullstack Engineer*

APRIL 2019 - NOVEMBER 2019
PROJECT DataCamp Signal™

Description Application for students to assess their data science skill level and get an overview of their strengths and gaps with recommended DataCamp courses to improve their knowledge.

Responsibilities

- Full-Stack Feature Development
- Code reviews

Technologies used in the project include

- NodeJS backend built on NestJS framework, PostgreSQL database with TypeORM as a connection to the application. Separate client application using latest React APIs and GraphQL for communication with server app. Both apps are using TypeScript.
- Continuous Integration and deployment pipeline with CircleCI, automated end to end tests using Cypress, Jest for unit tests. The application is monitored via DataDog APM.

INFO

Location
Sofia, Bulgaria

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Birthday
December 12, 1993

Citizenship
Italy

Website
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SKILLS

JavaScript / TypeScript

Web application development with React and Redux, CSS.

Server-side technologies like NodeJS with Express and NestJS, Databases with SQL, GraphQL, TypeORM.

Development tools such as Git, Docker, CircleCI.

Automated testing using Cypress.

Experience in Scrum and Kanban workflows using Jira.

LANGUAGES

English, German, Italian

AUGUST 2017 - APRIL 2019
PROJECT In-browser IDE "Teach Editor" for interactive course creation

Description DataCamp offers interactive data science and programming courses which are built by a special team together with external instructors. This project is a tailor-made IDE in which all of the course-development - from creating slide decks to defining correctness-tests of coding exercises - takes place.

Responsibilities

- Full-Stack application development from scratch
- Code reviews

Technologies used in the project include

- NodeJS / Express backend, interaction with GitHub's API for permanent storage, Redis database. Main part of the project is the frontend which is built in JavaScript with React and Redux (and heavy use of redux-thunk middleware).
- Continuous Integration and deployment pipeline with CircleCI, automated end to end tests using Cypress, Jest for unit tests.

Emakina CEE Vienna, Austria — *Technical Lead*

APRIL 2015 - OCTOBER 2016
PROJECT: Merkurmarkt.at

Description Merkur is a large supermarket chain in Austria owned by the REWE group. This project is an online shop for groceries.

Responsibilities

- Lead frontend team of three people
- Planning sprints with product management and client
- API Design

Technologies used in the project include

- Frontend using Angular 1.x
- Backend in Scala, developed by separate team.

Emakina CEE Vienna, Austria — *Frontend Developer*

OCTOBER 2013 - APRIL 2015
PROJECTS Billashop.at, Billa.at, BillaReisen.at

Description Billa is a large supermarket chain in Austria owned by the REWE group. Billashop.at is the online-shop for groceries with pickup or delivery within Austria. Billa.at is the homepage of the store, focussed on marketing, and billareisen.at is an online travel agency run by the same company.

Responsibilities

- Frontend Feature Development
- Code Reviews

Technologies used in the project include:

- Frontend using Angular 1.x
- Backend in ASP.NET

EDUCATION

Technical University Vienna, Austria — *Computer Science*
SEPTEMBER 2012 - SEPTEMBER 2013

Technical High School Bolzano, Italy — *Informatics*
SEPTEMBER 2007 - JULY 2012

MISCELLANEOUS PROJECTS

Physio Vital — *Health App for iOS/Android*
CLIENT: CAKE Communication

Description App with a single codebase in web technologies, that runs on both iOS and Android by using the Cordova framework. The app allows the user to do exercises at home by watching videos and replicating the movements. While I wasn't part of the development from the start, I maintained the project, doing some changes and bugfixes over the course of a few weeks.

CCRush — *Bitcoin mining rental platform*

CLIENT: Lean-Coders

Description This was another small project where I worked as a frontend developer for a few weeks, implementing the user interface of a platform that allows users to rent processing power for special crypto-currency mining hardware. This was my only project where we used Angular 2 and the first project in TypeScript.

EXTRA-CURRICULAR ACTIVITIES

Snowboarding, Wakeboarding, Kitesurfing, Scuba diving, Traveling, Photography, Videography