MARK
GRECH
SENIOR DEVELOPER

Zürich, Zürich, Switzerland

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EDUCATION

INFORMATIK FACHRICHTUNG APPLIKATIONSENTWICKLUNG
GIBB, BERN
2016

LANGUAGES

English

German

Maltese

French

Italian

SKILLS

- JavaScript
- TypeScript
- React.js
- HyperText Markup Language (HTML)
- Java
- Cascading Style Sheets (CSS)
- SQL (MySQL, Oracle PL/SQL)
- Bash (Scripting Language)
- Spring Boot
- Java (Programming Language)
- Hibernate (Java)
- Docker (Software)
- MongoDB
- Ruby (Programming Language)
- Redux
- NextJS
- Liquibase
- Tailwind CSS

HOBBIES

Fitness, Reading, Motorbikes, Psychology, Philosophy, Gaming, Music

ABOUT ME

With a deep passion for software engineering and psychology, I value bridging the gap between these two domains to empower teams and deliver outstanding results. With over 6 years of experience as an engineer, I place great value in building high quality solutions.

WORK EXPERIENCE

SENIOR FRONTEND DEVELOPER | JAN 2023 - PRESENT

FINTAMA AG, ZÜRICH
Internal project (Hawkeye - Financial Ledger)
I'm currently working as the onsite lead for the frontend part of the company's internal financial ledger project, my tasks include

- Developing complex dashboards with VictoryChart for displaying aggregated financial data
- Building a complex wrapper (including design) for Ag Grid, with a lot of custom functionality
- Creating complex forms and pages
- High level design of requirements and their implementation
- Working closely with stakeholders and management to understand what they're trying to achieve, guide them on what the project's focus should be and deliver high quality features

Technology: ReactJS, Typescript, React-Forms, Zod, TanstackQuery, NextJS, VictoryChart, RadixUI

External project at Julius Bär (Products & Services)
I worked on this project from January 1st 2023 up until the go live in September

- As the senior frontend developer for the project, I was responsible for taking over a large and undocumented code base written by two former senior developers and adding new features under severe time pressure
- Pixel perfect React + CSS implementation of various Figma screens and components
- Large refactoring of the code base in order to improve readability, maintainability and drastically increase the application's performance
- I led the team's task force for the project wide monthly demo
- Developed a custom implementation of React JSON Schema Forms with a custom design to support over 100 various complex products
- I was in charge of demoing our application in front of the entire project's leadership and employees (over 300 people)

Technology: ReactJS, Typescript, React JSON Schema Forms, Axios, Redux (RTK), Material UI

SENIOR FULLSTACK ENGINEER | FEB 2022 - AUG 2023

CREDIT SUISSE, ZÜRICH
6 month contract

- Responsible for maintaining and refactoring legacy code for the bank's investment advisory portfolio products and implementing new features
- Migration of decade old Control-M Jobs to an Apache Spark setup
- Creation of a React app to visualise and configure a variety of control-M Jobs
- Decommissioning of old bank internal interfaces and creating new ones
- Maintaining of the Portfolio Advisory Monitor frontend (AngularJS) and its backend components (Java 8)

Technology: ReactJS, Java 8, PL/SQL, AngularJS, Apache Spark, CSS

SOFTWARE ENGINEER | JAN 2020 - JAN 2022

ONSITE PARTNER AG, WINTERTHUR
• Implemented the vast majority of the DBMilch web application written in Vue JS • Implemented multiple backend endpoints(Controller, Service, Repository Interface) to be consumed by the frontend
• Worked on pagination, role based authorization / security
• Wrote multiple complex sql queries to aggregate large amounts of data when Hibernate simply wasn't good enough for the use case

Technology: VueJS, Typescript, SCSS, Bootstrap, Java 11, Microsoft SQL Server, Hibernate, Spring Boot

SOFTWARE DEVELOPER II | JAN 2018 - JAN 2020

SWISSCOM AG, ZÜRICH
• Valiant Liferay Project - I developed React JS Apps with the Liferay CMS and helped with the implementation of the Liferay CMS
• Kafka Finance Prototype – I developed a web application and worked on large parts of the backend to display cash flow generations in real time using Java 9, Spring Boot and React
• MAP(Mitarbeiterportal) – I worked on a web application to automate a wide variety of bank processes with React and MongoDB

Technology: ReactJS, Redux, Axios, CSS, Java 8, Spring Boot, SQL

SOFTWARE DEVELOPER CONSULTANT | JAN 2017 - JAN 2018

ACCENTURE AG, ZÜRICH
• RAS/KACE (Credit Suisse Project) - I worked on the Mifid 2 regulatory Backend system, implemented the regulatory flow for all Luxembourg based customers and added multiple features
• OTM (Credit Suisse Project) – I developed a dashboard to display the entire project's build pipeline status and allow some simple configuration

Technology: HTML, CSS, Java 8, Spring Boot, JPA / Hibernate, Bash, SQL / PLSQL

IT APPRENTICE | JAN 2012 - JAN 2016

SWISSCOM AG, BERN
• Resource Fulfillment - App development for the automation of the Swisscom network with Ruby on Rails applications developed for Cisco A9K servers, which configured various network procedures
• Code Analysis Tool – I extended a Java application for the generation of Tibco reports
• "Bridge Builder" – I designed Tibco UML-Diagrams and supported the software architects with various tasks
• Field Service – I repaired and exchanged various hardware parts and fixed all kinds of PC issues, 2 nd Level support

LINKS

Personal website:
https://markgrech.ch