

# Moritz Roessler

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I have 11.5 years of experience in JavaScript and have written a fully working optimizing compiler for it. I'm proficient in TypeScript and on a senior level in all things web development including in-depth knowledge of React. I have a keen eye for detail and a proven ability to deliver quality work on time. I have experience in both front-end and back-end development and am used to working in agile environments.

## Experience (1-3)

### DIGITAS PIXELPARK

Freiburg, Germany

Senior IT Developer

Sep 2022 - present

- As the main Frontend Developer in an ongoing project at Digitas Pixelpark, contributed to developing a state-of-the-art frontend solution using React on Next.js, and integrating CoreMedia as CMS
- Translated complex Figma designs into functional, reusable components, ensuring a well-structured codebase adhering to strict ESLint standards
- Actively engaged within the SCRUM team, driving project progress and enthusiastically participating in sprint reviews to refine and enhance project outcomes, contributing significantly to the success of the project at Digitas Pixelpark

### COSUNO

Braga, Portugal

Senior Frontend Developer

Feb 2022 - Jul 2022

- Maintained a high-quality frontend codebase while working on the development team
- Implemented React components based on user stories to enhance functionality and user experience
- Gained valuable experience collaborating within a senior SCRUM team, contributing to project advancement and refining deliverables for successful outcomes at Cosuno in Braga, Portugal

### SPOO

Denzlingen, Germany

Software Engineer

Jan 2020 - Dec 2021

- Maintained a JavaScript codebase, ensuring its functionality and efficiency
- Analyzed high-frequency real-time data, handling substantial volumes of information
- Conducted analysis and correlation of hundreds of millions of rows across disjoint datasets
- Successfully implemented a real-time monitoring dashboard, enhancing data visualization and accessibility for improved insights and decision-making at Spoo in Denzlingen, Germany

## Skills

**Spoken Languages:** German (C2), English (C1), Spanish (B2)

**Programming Languages:** TypeScript, JavaScript, VBA, LotusScript, SQL, Rust

**Frontend:** React, MUI, Next.js, Vue, serverless

**Backend:** GraphQL, Node.js, PSQl, AWS Lambda

**Frameworks:** Vite, HTML, CSS, Redux, Babel, Jest, Webpack, Cypress, DynamoDB

## Experience (4-7)

### BECHTLE

Freiburg, Germany

Junior Software Engineer

May 2018 - May 2019

- Translated an existing codebase from C# to Perl

### ARBOLEDA EMALUISA

Chile, Temuco

Volunteer

May 2016 - Apr 2017

- Worked as chef in culinary operations, engaged in construction projects constructing enclosures and houses. Achieved fluency in Spanish, fostering adaptability and cross-cultural communication skills alongside web development expertise

### BECHTLE

Freiburg, Germany

Junior Software Engineer

Mar 2015 - Mar 2016

- Developed multiple enterprise-level Lotus Notes applications, contributing to the company's software portfolio
- Gained proficiency in LotusScript and Lotus Domino/Notes, leveraging these skills in software development initiatives
- Acquired valuable experience working within an agile development environment, contributing actively to iterative software development methodologies during the tenure at Bechtle in Freiburg, Germany

### BECHTLE

Freiburg, Germany

Fachinformatiker in der Anwendungsentwicklung

May 2012 - Mar 2015

- Constructed enterprise-level Lotus Notes applications, contributing to the organization's software infrastructure
- Developed Cross-Platform applications using PhoneGap, broadening the scope of application development projects
- Gained practical exposure to an agile development environment, actively contributing to iterative development processes
- Acquired foundational knowledge in Java and JavaScript, enriching skill sets in software development during the tenure at Bechtle in Freiburg, Germany

## Education

### WALTHER RHATHENAU

Freiburg, Germany

Computer Science (Fachinformatiker in der Anwendungsentwicklung)

Jan 2012 - Jan 2015

### KEPLER GYMNASIUM

Freiburg, Germany

Fachhochschulreife

Jan 2001 - Jan 2009

# Projects

## REACT SERVER

1 year

Created React Server, an innovative server-side implementation of React that allows using TSX components on the backend. This enables the swift creation of advanced full-stack services by bringing React's frontend principles to backend development.

[github.com/state-less/clean-starter](https://github.com/state-less/clean-starter)

9 Stars

## REFLECT.JS

1.5 years

Created a cherished ES5 JavaScript compiler, a pivotal first project that facilitated profound learning in static software analysis, encompassing jQuery and Angular.js compilation with a visual rendering of jQuery's Control Flow Graph. Enabled ES5 AST transformation into CFGs and performed dataflow analysis, further branching into the derivation of variable values at any program point. Explored size optimizations, ventured into SSA and loop unrolling in experimental stages, culminating in an enriching learning curve, fostering a desire for future compiler projects while adapting to emerging technologies like Babel, showcasing project relevance and parallelities.

[github.com/C5H8NNaO4/reflect.js](https://github.com/C5H8NNaO4/reflect.js)

## ONLINE CV

4 weeks

Developed an interactive online CV as a practical solution to the challenges of maintaining and updating CVs in Adobe Illustrator. Utilizing web development expertise and adhering to /r/engineeringresume standards, this project implements the Harvard resume guidelines. It seamlessly renders CVs to PDF format using a web development stack, offering a user-friendly and efficient way to create and update professional resumes.

[github.com/C5H8NNaO4/my-cv](https://github.com/C5H8NNaO4/my-cv)