



Maik Marschner

Senior Fullstack Developer (React/Node.js)

✉ m.marschner@wertarbyte.com

☎ +49 511 270725-33

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Profile

Project Position:	Senior Fullstack Developer (React/Node.js)
Education / Qualification:	Master of Science (Computer Science)
Skills / Experience / Certificates:	<ul style="list-style-type: none">• JavaScript (approx. 14 years)• Frontend development, including Material UI (approx. 11 years)• TypeScript (approx. 11 years)• Node.js (approx. 10 years)• React (approx. 10 years)• Open source development and project coordination (approx. 9 years)• Python (approx. 9 years)• Docker, Docker Swarm (approx. 8 years)• GraphQL (approx. 8 years)• MongoDB, Mongoose (approx. 8 years)• NestJS (approx. 8 years)• Capacitor, Cordova (approx. 7 years)• End-to-end testing with Playwright (approx. 6 years)• GitLab CI/CD (approx. 5 years)• Prometheus and Grafana (approx. 5 years)• Ansible (approx. 3 years)• Agile development• Unit testing with Jest, Enzyme• Version control and mapping of development workflows in Git
Location:	Near Hanover
Availability:	from May 2026

At a Glance

- Senior React-focused Fullstack Developer specializing in scalable, long-term maintainable architectures using API-first approaches
- Deep expertise in frontend development with React 18+ and Material UI, as well as backend development with Node.js and NestJS, using TypeScript across the stack
- Extensive experience in designing, developing, and evolving scalable web applications across various industries – including warehouse management, accounting, and logistics solutions
- Proven track record in designing and owning scalable architectures, taking ownership of codebases and ensuring long-term maintainability
- Active maintainer of several open-source projects in the React ecosystem with solid experience in code reviews, sustainable architecture, and community standards
- Fast onboarding into existing systems as well as new technologies and frameworks
- Experienced in agile development methodologies (Scrum, SAFe) and close collaboration within cross-functional teams

Technical Qualification Profile (Top Skills)

Skill	Additional Information	Experience (Years)
JavaScript		14 (since 2012)
Frontend development, including Material UI	Former core contributor to Material UI, numerous open source components for Material UI	11 (since 2015)
TypeScript		11 (since 2015)
Node.js	Backend development with Node.js, including API design and implementation, database integration, and performance optimization	10 (since 2016)
React	React 18+ with modern patterns (functional components, hooks), performance optimization and avoiding unnecessary re-renders. Usage with Next.js or directly via Webpack or Rollup.js. Design of scalable architectures for small and large projects (e.g., building and maintaining in-house reusable component libraries). Experience with State-Management solutions (e.g., Redux Toolkit).	10 (since 2016)
Open source development and project coordination		9 (since 2017)
Python		9 (since 2017)
Docker, Docker Swarm	Setup and operation of Swarm clusters, integration of Docker into CI pipelines for continuous deployment, containerization of legacy applications	8 (since 2018)
GraphQL	Design and implementation of GraphQL APIs, including subscription endpoints via WebSockets e.g. for controlling IoT devices, experience with Apollo Studio and Apollo Federation	8 (since 2018)
MongoDB, Mongoose		8 (since 2018)
NestJS	Building scalable and maintainable server-side applications with NestJS, including REST and GraphQL API development, microservices architecture, and integration with various databases (via TypeORM) and third-party services	8 (since 2018)
Capacitor, Cordova	Development of apps for iOS and Android, testing with TestFlight and release process with App Store Connect and Google Play Console	7 (since 2019)
End-to-end testing with Playwright	Building new test suites and migrating existing Cypress tests	6 (since 2020)
GitLab CI/CD		5 (since 2021)
Prometheus and Grafana		5 (since 2021)
Ansible		3 (since 2023)
Agile development	Agile development and methodologies as standard for internal projects, two years of experience with the Scaled Agile Framework (SAFe)	
Unit testing with Jest, Enzyme	Focus on testability, test-driven development and long-term maintainability of the codebase	
Version control and mapping of		

Skill	Additional Information	Experience (Years)
development workflows in Git		
Previously Used Technologies		
Desktop development for Windows with C# and WPF		6 (2013-2018)
CI/CD pipelines with Jenkins		5 (2016-2021)
End-to-end testing with Cypress		4 (2018-2021)
Qt and QtQuick/QML		2 (2018-2019)
Development of HbbTV applications with React	Performance optimization for low-end devices with React memoization and re-render optimizations, development of UI components for remote control	2 (2021-2023)

Project Highlights

Fullstack React/Node.js Developer at Law firm, Hanover

11/2023 to today

Designed and implemented a custom accounting and billing system in a legal environment, defining the architecture and interfaces in an API-first setup. The software includes features such as invoice creation, retrieving bank statements via EBICS, and payment allocation.

Technologies: React, NestJS, TypeScript, MySQL, Ansible, Docker, Node.js, EBICS

Fullstack PHP/React/Node.js Developer at Law firm, Hanover

07/2023 to today

Modernization and further development of a law firm application. Migration to a modern React-based frontend with API-first architecture to reduce complexity and increase maintainability and development velocity. Integration with various third-party systems via APIs, including automated mail dispatch, efficient communication with insurance companies, and AI integrations. Design and prototyping of intuitive UI flows through complex business logic as functional UI prototypes. Implementation of those features, aligned with security, access-control and compliance requirements in the legal domain.

Technologies: React, TypeScript, PHP, CakePHP, MySQL, Ansible

Fullstack React/Node.js Developer at RTL Technology GmbH, Cologne

12/2022 to 03/2023

New development and enhancement of existing HbbTV applications (including Digitaltext and TV Highlights) using modern tech stacks. Further development of an RTL+ streaming application for HbbTV-enabled devices and various other smart TVs and set-top boxes.

Technologies: React, Next.js, NestJS, GraphQL, REST, TypeScript, HbbTV, GitLab CI/CD, Terraform, AWS, Node.js

Fullstack React/Node.js Developer at CBC Cologne Broadcasting Center GmbH, Cologne

05/2021 to 11/2022

Further development of an RTL+ streaming application for HbbTV-enabled devices and various other smart TVs and set-top boxes. New development and enhancement of existing HbbTV applications. Improved performance by moving applications to use server-side rendering (SSR).

Technologies: React, NestJS, GraphQL, TypeScript, HbbTV, Next.js, GitLab CI/CD, Terraform, AWS, Node.js

Fullstack React/Node.js Developer at Freight forwarding company, Elze

03/2021 to 07/2022

Development of an iPad app for move planning for a logistics company with a corresponding web-based backend. Special focus on offline capability with automatic synchronization across multiple devices and intuitive usability.

Technologies: React, NestJS, Capacitor, TypeScript, GraphQL, MongoDB, IndexedDB, Node.js

Fullstack React/Node.js Developer at Wertarbyte GmbH, Hanover

01/2021 to today

Defined an architecture and development framework for customizations and integrations in the ERP domain for end customers. Connecting various APIs and systems, for example for shop integrations and fulfillment connections.

Technologies: React, NestJS, TypeScript, RabbitMQ, MongoDB, Docker, Grafana, Prometheus, Ansible, Node.js

Fullstack React/Node.js Developer at Freight forwarding company, Elze

09/2020 to 02/2021

Development of an iPhone app to ensure load securing for a logistics company with a web-based backend. Focus on intuitive usability and performance.

Technologies: React, NestJS, Capacitor, TypeScript, GraphQL, MongoDB, Node.js

React/Cordova/Capacitor Frontend Developer at KickerClub, Hanover

09/2019 to 02/2024

Development of a cross-platform app for Android, iOS, and web, consulting and development of UI concepts, integration with customer-developed backend. Strong collaboration with the backend team to integrate the API and improve its design to ensure optimal performance and usability of the app.

Technologies: Ionic Capacitor, React, REST, WebSockets

React/Node.js Frontend and Backend Developer at Warehouse systems manufacturer, Barsinghausen

01/2019 to today

Development of an intuitive web-based warehouse management system. Customization for individual customer requirements via a plugin architecture. Integration of IoT components for LED-based location display and RFID-based load carrier identification.

Technologies: React, GraphQL, NestJS, Node.js, TypeScript, TypeORM, MySQL, Material UI

React/Node.js Frontend and Backend Developer at Wertarbyte GmbH, Hanover

06/2018 to today

Development of an IT management system with plugin architecture and agents for Windows and Linux

Technologies: React, C#, WPF, WiX Installer, GraphQL, NestJS, Node.js, TypeORM, MongoDB, TypeScript

Qt/C++ Developer at Provider including security systems, Bremen

01/2018 to 06/2018

Development of a native cross-platform (Windows, Linux, macOS) application for playback and composition of video material.

Technologies: Qt, QtQuick, libvlc, QMake

React/Node.js Frontend and Backend Developer at Wertarbyte GbR, Hanover

08/2017 to 02/2018

Development of an overview for a portfolio of one or more cryptocurrencies. KPI calculation and news overview

Technologies: React, Redux, Material UI, Node.js, Hapi, Continuous Delivery

React Frontend Developer at Wertarbyte GbR, Hanover

05/2017 to 05/2017

Development of a Germany-wide overview of elevator outages with push or email notifications. Award: "Support for accessible travel/public transport usage"

Technologies: React, Redux, Material UI, Firebase

React/Node.js Frontend and Backend Developer at Warehouse systems manufacturer, Barsinghausen

12/2016 to 12/2017

Development of a web-based warehouse management system and a corresponding app

Technologies: React, Redux, Cordova, Material UI, Node.js, Socket.io, Docker

React/Node.js Frontend and Backend Developer at Startup, Hanover

05/2016 to 10/2016

Development of a city platform

Technologies: React, Redux, Material UI, Node.js, Express, Jenkins, Docker

Student Assistant at Leibniz University Hannover, Hanover

05/2015 to 05/2016

Development of a submission system for assignments with an online formula editor, correction interface for tutors, and overview for lecturers.

Technologies: KnockoutJS, Express, Semantic UI, RabbitMQ, Node.js

Education / Studies

Master of Science (Computer Science)

10/2016 to 03/2019, Leibniz University Hannover

C++, Software Engineering, Agile Methods, Evolutionary Algorithms, Microservices, Product Line Engineering, Web Technologies, Software Architecture, Mobile Interaction Design, Security, Agent-based Methods

Bachelor of Science (Computer Science)

10/2013 to 10/2016, Leibniz University Hannover

Java, Python, Data Structures and Algorithms, Software Quality, Software Engineering, Data Mining, Database Systems, Human-Computer Interaction, Compiler Construction, Computer Security

Additional Qualifications

Languages:

German (Native)

English (Business fluent)