



# Sascha Becker

Senior Full-Stack Engineer (React / TypeScript)

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## PROFILE

<b>Position:</b>	Senior Full-Stack Engineer (React / TypeScript)
<b>Education / Qualification:</b>	Bachelor of Science (Applied Computer Science) IT Specialist for Application Development (IHK) State-Certified Commercial Assistant for Business Informatics
<b>Location:</b>	Hannover
<b>Special Notes:</b>	Wheelchair user
<b>Availability:</b>	not available

## AT A GLANCE

Senior Full-Stack Engineer with a decade of experience building React and TypeScript web applications. Typically the senior engineer responsible for frontend direction in agile teams.

Day-to-day stack: React, Next.js, TypeScript, and Material UI on the frontend; Node.js and NestJS with GraphQL, REST, and WebSockets on the backend; Docker, CI/CD, and MongoDB or relational databases in between.

Open-source contributor to Material UI and a regular mentor for teams adopting modern React, TypeScript, and testing practices.

## TECHNICAL QUALIFICATION PROFILE (TOP SKILLS)

Skill	Additional Information	Experience (Years)
<b>TypeScript</b>	Strict Mode, Generics, Utility Types, Type Guards, Discriminated Unions	7 (since 2019)
<b>React</b>		10 (since 2016)
<b>Next.js</b>	Server Components, Server Actions, Static Site Generation, API Routes, Image Optimization, Internationalization, NextAuth.js	4 (since 2022)
<b>NestJS</b>	GraphQL, REST, Websockets, Microservices, Authentication, Authorization, OpenAPI, Swagger, TypeORM	7 (since 2019)
<b>Node.js</b>		10 (since 2016)
<b>JavaScript</b>		10 (since 2016)
<b>Material UI (React)</b>	Version 7, Storybook Isolation, Theming, Dark Mode, Custom Components, Open Source Contributor	10 (since 2016)
<b>GraphQL</b>	Apollo GraphQL, Federation, React Hooks, Implementation in NestJS, GraphQL Codegen	7 (since 2019)
<b>REST</b>	OpenAPI, Swagger, API Design	10 (since 2016)
<b>Git</b>		13 (since 2012)
<b>CI/CD</b>	GitHub Actions, GitLab CI, Jenkins, Bitbucket Pipelines	10 (since 2016)
<b>Docker</b>		8 (since 2018)
<b>MongoDB</b>		6 (since 2020)
<b>Jest</b>		7 (since 2019)
<b>Playwright</b>		5 (since 2021)
<b>Vite</b>		2 (since 2024)

### Previously Used Technologies:

<b>Kubernetes</b>	1 (2021-2022)
<b>Keycloak</b>	1 (2022-2024)
<b>Java</b>	4 (2011-2015)
<b>C#</b>	3 (2008-2011)
<b>C++</b>	4 (2011-2015)
<b>AngularJS</b>	2 (2015-2017)
<b>Cypress</b>	1 (2022-2023)
<b>Gatsby</b>	1 (2021-2022)
<b>Styled Components</b>	1 (2018-2019)

## PROJECT HIGHLIGHTS

<b>React Fullstack Developer at Schönhofer Sales and Engineering GmbH</b> Siegburg Under non-disclosure agreement (NDA). React · Material-UI · Yjs · deck.gl · Keycloak · Next.js · NextAuth.js · NestJS · TypeScript · Docker	10/2024 to 11/2024
<b>Founder &amp; Full-Stack Developer (in-house) at Wertarbyte GmbH</b> Hannover <b>UpdateHive</b> Manage all changelogs and versions centrally React · Material-UI · Next.js · Apollo GraphQL · NestJS · TypeScript · Docker	08/2024 to 01/2025
<b>Founder &amp; Full-Stack Developer (in-house) at Wertarbyte GmbH</b> Hannover <b>EventSnap</b> Dynamic photo booth app React · Material-UI · NestJS · Minio (s3 compatible) · TypeScript · Docker	07/2024 to 08/2024
<b>Founder &amp; Full-Stack Developer (in-house) at Wertarbyte GmbH</b> Hannover <b>wertDesk</b> Additional reports, bulk processing and missing features for sevdesk React · Material-UI · NestJS · TypeScript · Docker	06/2024 to present
<b>Fullstack Senior Developer at Funkwerk</b> Bavaria Development and maintenance of various products for managing disruptions and announcements in public transportation Angular · TypeScript · Node.js · NestJS · Playwright · Docker · Keycloak	11/2022 to 05/2024
<b>React Senior Developer at McMakler</b> Berlin Development of various products for managing real estate sales React · Material-UI · Next.js · TypeScript · Apollo GraphQL Federation · Jest · Kubernetes · Docker · NestJS	06/2021 to 10/2022
<b>Full-Stack Developer at SCALARA GmbH</b> Cologne Development of a digital real estate management platform React · Material-UI · NestJS · Node.js · TypeScript · REST · Swagger · Jest · Playwright · Webpack · Docker	08/2020 to 05/2021
<b>Full-Stack Developer at Verlag Dr. Otto Schmidt</b> Cologne Development of various calculators for a specialist publisher in law, business and taxation React · Material-UI · NestJS · Node.js · TypeScript · Apollo GraphQL · Jest · Cypress · Vite (Migration from CRA) · Docker	09/2019 to present
<b>React Developer at Ambient Innovation</b> Cologne Development of a pop-up store platform for tenants and landlords React · Styled Components · Apollo GraphQL · Jest · Cypress · CRA · Docker · Gitlab	03/2019 to 06/2019
<b>React Developer at Ambient Innovation</b> Cologne Further development of a shop platform for shoes React · Styled Components · Redux · CRA · Docker · Cypress · Gitlab	01/2019 to 02/2019
<b>Founder &amp; Full-Stack Developer (in-house) at Wertarbyte GmbH</b> Hannover <b>sTool</b> Development of a monitoring platform and evaluation of its metrics React · Material-UI · Node.js · NestJS · Apollo GraphQL · TypeScript · Jest · Cypress · Webpack · Docker	06/2018 to present
<b>React Developer at Ambient Innovation</b> Cologne Development of an ordering platform and customer dashboard for an energy provider React · Styled Components · Redux · Jest · Babel · Webpack · Docker · Gitlab	03/2018 to 01/2019
<b>Founder &amp; Full-Stack Developer (in-house) at Wertarbyte GmbH</b> Hannover Development of an overview for a portfolio of one or more cryptocurrencies. KPI formation and news overview React · Redux · Material UI · Node.js · Hapi · Bitbucket · Jira · Jenkins · Babel · Webpack · Docker	08/2017 to 02/2018

**Founder & Full-Stack Developer (in-house) at Wertarbyte GbR** 05/2017 to 05/2017

Hannover

Development of a Germany-wide listing of all elevator outages with push or email notification, award "Support for accessible travel/public transport use"

React · Redux · Material UI · Node.js · Bitbucket · Jira · Jenkins · Babel · Webpack · Docker · Google Firebase

**React Frontend Developer at Wertarbyte GbR** 11/2016 to 04/2017

Hannover

Development of an interactive and coach-supporting web variant of the Business Model Canvas

React · Redux · Material UI · Node.js · HapiJS · Bitbucket · Jira · Jenkins · Babel · Webpack · Docker

**React/NodeJS Frontend and Backend Developer at Wertarbyte GbR** 06/2016 to 11/2017

Hannover

Development of a social media web/mobile app

React · Redux · Cordova · Material UI · Node.js · HapiJS · Socket · Bitbucket · Jira · Jenkins · Babel · Webpack · Docker

**React Frontend Developer at Wertarbyte GbR** 05/2016 to 10/2017

Hannover

Development of an informal city platform

React · Redux · Material UI · Node.js · ExpressJS · Bitbucket · Jira · Jenkins · Babel · Webpack · Docker

**AngularJS/React/MeteorJS Frontend and Backend Developer at Study Life and Work UG** 08/2015 to 02/2017

Hannover

Development of a job platform for students

AngularJS · MeteorJS · React · MongoDB · CSS

**Windows Client-App Developer at Heise Zeitschriften Verlag** 09/2010 to 07/2011

Hannover

Development of an automation for measuring projector metrics using test images and reading measurement devices via COM port (RS-232), development of analysis software for monitor measurement data in the area of color reproduction

C# · WinForms · WPF

## EDUCATION

**Master's studies in Applied Computer Science (discontinued)** 2016 - 2017

Hannover University of Applied Sciences

Discontinued after two semesters to focus fully on my own company, Wertarbyte. The business was gaining significant traction at the time, and hands-on work on real client projects promised greater practical learning than continuing the program.

**Bachelor of Science in Applied Computer Science** 2011 - 2015

Hannover University of Applied Sciences

Java, C++, Data Structures and Algorithms, Software Engineering (Usability / Ergonomics, Web Services, MoM, JSP, Servlets, JSF), Information Systems (JDBC, EJB), Databases, Operating Systems & Networks (TCP/IP Stack, Encryption), Computer Graphics, Parallel Programming (Akka, Actor, MPI, OpenMP)

**IT Specialist for Application Development** 2010 - 2011

bib International College

Low-level programming with projector measurement devices, analysis software for viewing-angle-dependent monitor data

**State-certified Commercial Assistant for Business Informatics** 2008 - 2010

bib International College

Databases, MySQL, Business Administration, Accounting, Networks, Programming, C#, PHP, Web Design, HTML, CSS

## ADDITIONAL QUALIFICATIONS

Languages:

German (Native) · English (Business fluent)