

# Nathan Horsfall

## Software Engineer [Frontend + Backend]

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### Skills

#### Programming Languages

HTML, CSS/SASS, Javascript(ES6),  
Typescript, Python, GraphQL

#### Tools & Platforms

Git, Webpack, Docker, Netlify, Heroku,  
DigitalOcean, Wordpress

#### Libraries & Frameworks

React, NodeJs, Express, jQuery, Highcharts

#### Databases

PostgreSQL, SQL, MongoDB, InfluxDB

#### Design

AdobeXD, Sketch, Illustrator, Photoshop

### Relevant Experience

#### Software Engineer @ FranhoferISE [Communications | Photovoltaics Division]

Aug. 2018 - Present

- Worked with a hardware engineering team to build a realtime laboratory monitoring software. Solutions I provided were: Frontend dashboard design and development, MQTT broadcasts collation, processing and database storage at the backend.  
**Tech Stack & Hardware:**  
React, NodeJs, InfluxDB, Docker, MQTT, RaspberryPI, Low-Level Bluetooth beacons
- Frontend re-design and development of a modern multi-lingual / multi-country data visualization website with over 300,000 weekly visitors.  
**Tech Stack & Hardware:**  
React, NodeJs, Webpack, Highcharts
- Write scaleable, performant code for in-house projects and automation processes.

#### Software Engineer @ Pentland Group [Contract]

Feb - July, 2020

- Built and hosted a web application to showcase corporate training offerings from the company.  
**Tech Stack:** React, Gatsby  
**Website:** <https://pelconsult.com>
- Built and hosted an admin panel and backend server for company staff to update website content.  
**Tech Stack:** React, NodeJS, PostgreSQL

#### Web Developer @ Holzwurm GMBH [Contract]

March - May, 2020

- Redesign and development of company website.  
**Tech Stack:** Javascript, PHP, WordPress  
**Website:** <https://holzwurmgbh.de>

### Education

#### Albert Ludwigs University of Freiburg

2017/2018 - Present

Msc. Geosciences with focus on Rock  
Mechanics and Geodynamics

#### Ironhack, Berlin

March 2019 - May 2019

Full-stack web development training

### Projects

#### FormToSheets

A NodeJs application that receives entries  
from a client facing form and saves to a  
connected Google sheets document.

#### IdeaBox

A fullstack application to help the Siemens  
Innovation Team Berlin, share and track  
innovative ideas.

### Interests

Traveling, reading, soccer, cooking.