

Nathan Horsfall

Software Engineer [Frontend + Backend]

✉ ntnh.horsfall@gmail.com 🌐 horsfallnathan.com 🐙 github.com/horsfallnathan

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. [<https://energy-charts.de>]

Tech Stack & Hardware:

React, NodeJs, Webpack, Highcharts

- Write scalable, 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://holzwurmgbmh.de>

Education

Albert Ludwigs University of Freiburg

2017/2018 - Present
Msc. Geosciences.

Research:

- Lithologic Facies Prediction from Well Logs in the Volve Field, Norway using Support Vector Machine Learning Model.

Website: <https://github.com/horsfallnathan/gProjectNotebook/blob/master/gProjectNotebook.ipynb>

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.

Volunteer / Open Source

PythonUP

An ongoing initiative to teach programming basics using python to students of the university of Freiburg.

Course Website:

<https://www.notion.so/PythonUP-73e172284b474dd5bc4881325277d0>

NodeJS

Contributed to the upcoming new nodejs resource space which is being rebuilt with Gatsby.