

# Nathan Horsfall

Software Engineer [Frontend + Backend]

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## EXPERIENCE

### Canary.is, Berlin — Platform Engineer

JUNE 2021 - PRESENT

[Python, Golang, Typescript, Docker, Git, Kubernetes, AWS]

- Maintaining and adding new features to enterprise-scale backend applications using Python and Golang.
- Built the frontend dashboard for an internal tool using ReactJS
- Migrated a legacy application from Scala to Golang
- Designed new REST and GraphQL endpoints to power updates to our Android and iOS apps' User Interfaces.
- Wrote and reviewed engineering design documents for new features.

### Fraunhofer ISE, Freiburg — Software Engineer (HiWi)

November 2018 - MAY 2021

- Redesigned and rebuilt the frontend UI for <https://energy-charts.de>
- Part of a team that built laboratory safety monitoring software.
- Wrote code for in-house applications such as web-based screen welcome messages and presentations used in marketing events.

### ContraTest.com, Freiburg — Software Engineer (Contract)

FEBRUARY 2020 - MAY 2021

[Typescript, NodeJS, Postgres, React] -> <https://contratest.com>

Built and hosted a voting application to sample public opinions about the German 2021 Elections. Features of the application include Authentication / Authorization, basic data analysis, and visualizations.

## EDUCATION

### University of Freiburg, Germany — MSc. Geosciences

September 2021

[Matlab, Python, ArcGIS, Planetary Research, Geocomputing]

Thesis: CraterZahl, Web-based tool for crater counting on Mars.

### IronHack, Berlin — Full Stack Web Development

MARCH 2019 - MAY 2019

[Javascript, HTML, CSS, NodeJS, React, MongoDB, ExpressJS]

## PROJECTS / OPEN SOURCE

### PYTHON UP

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

Course URL:

<https://www.notion.so/PythonUp-73e172284b474dd5bc4881325277d7do>

## INTERESTS

| Traveling | Soccer | Reading  
| Cooking | FIFA (PlayStation)

## LANGUAGES

English - Native Proficiency

German - A2