

NIKOLAUS ZOLNHOFER

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WORK EXPERIENCE

Software Developer at AEON Geoscience Systems September 2022 - August 2023
Application overhaul, and feature addition for Geosciences SaaS

- Worked extensively in React, and Ruby on Rails to overhaul, and expand the existing PROEX web application.
- Using D3.js package to create numerous graphs, well log tracks and data dashboards to enable the visualisation and comparison of complex datasets as part of a £70k+ client project.
- Overhauled the visual design of the application using Figma as a quick prototyping tool to realise these changes. Working within a Company standard design template.
- Implemented a completely new self sign up process including email confirmation with SendGrid API.
- Set up full build, linting, and testing pipelines as well as docker containerisation of the application.

IT & Business Support at DK AVS June 2018 - September 2022
Supporting modernisation and web integration for an electronics repair company.

- Worked extensively in React, HTML, CSS, ES2023 JavaScript, and Redux to improve company's web systems.
- Streamlined job-request process, resulting in 1200+ TV repair being recorded, verified and prearranged through an automated portal. Increased customer communication efficiency by 25%.
- Managed overhaul and implementation of the company's entire Enterprise Resource Planning system, including writing proposals for key clients and supporting them in a transition period. Delivering the project from inception to completion.
- Initiated online campaign bringing in 4k users on to DK AVS website leading to 20% increase in the first time customer service request.

SKILLS

Programming Languages: **React**, **JavaScript**, **HTML 5 & CSS 3**, **Ruby on Rails** and **SQL**.

Software Packages: **Figma**, **MATLAB**, **SolidWorks**, **Docker** and **Github Actions CI/CD**.

Communication: B2B and B2C customer service and sales. Fluent in **English** and **German**.

Project Management: **Waterfall** and **Agile** project lead.

EDUCATION

BEng in Mechanical Engineering at University of Aberdeen

Classification: **2:1 (Hons)**

Dissertation: **Installability Study for Steel Catenary Risers (SCR) in Deep Water**

Year Abroad: **The University of Hong Kong (HKU)**

Relevant Modules: Enterprise Computing and Business, Advanced Web Application Development, Electronic Systems, Project and Safety Management, Engineering Analysis and Methods