

John Lingenfelser

For more information and projects, see my website at: johnlingenfelser.com

Software Engineer- Freelance

Sept 2022 - Dec 2022

- Worked with a london based startup under TANTUNG LTD. Tasked with web application outline and MVP development, utilized MongoDB, AWS Lambda, S3, Datatables, React, NextJS, and Express.

Software Engineer - Virginia Tech

Apr 2020 - Jun 2022

- Worked within an Agile software development team to design and produce cloud-backed multi-page user-facing web applications with greater than 20,000 active users.
- Utilized tools such as React, NodeJS, Express, Jest, Tailwind CSS, Material UI, React Admin, and AWS services such as Lambda, S3, Data tables.
- Designed internal systems including order entry/management tools, revenue reporting, and production workflow tracking.
- Architected virtualized development environments using Docker and Kubernetes.

Software Developer - CCWW

Sept 2018 - Nov 2019

- Wrote digital applications to maintain relevant databases and aid in data collection for both lab and business environments using Python.
- Wrote additional software in Python to automatically create necessary 3rd party and Government forms.

Programming Instructor - ID Tech

June 2015 - Aug 2017

- Instructed students in the fundamentals of computer programming, as well as code structuring and problem solving skills.

Researcher - NASA DEVELOP

June 2013 - Aug 2014

- Performed geospatial research through the NASA DEVELOP branch at Langley Air-Force Base, solving problems related to climate change and satellite monitoring using GIS tools.
- Wrote Python scripts for migrating satellite data to rasterized GIS maps.
- Managed external client interactions as a representative for NASA DEVELOP.
- Co-authored papers on topics such as "Deriving Solar Energy production Suitability for the Mid-Atlantic Region" and "Strains on the Plains: A World Without Water."

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Education

Virginia Tech, Blacksburg, VA -
Computer Science:

2014 - 2018

Skills

TypeScript: 3 years

JavaScript: 7 years

Python: 3 years

React: 5 years

Prisma: 2 years

Node.js: 5 years

MongoDB: 5 years

Docker: 4 years

Kubernetes: 3 years

Git: 7 years

AWS: 5 years

C#: 2 years

Jest: 3 years

Agile development: 3 years