

# ian maitland

## Software Engineer with UI/UX Concentration

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Baltimore, 21218, USA

Innovative Software Engineer with a strong foundation in UI/UX design and development, offering extensive experience in frontend and backend technologies, including modern JavaScript frameworks and Python. Skilled in integrating design with development to create intuitive and efficient user experiences for scientific, r&d, and production applications. Proven track record in collaborating with cross-disciplinary teams to deliver cutting-edge software solutions for data-intensive projects. Passionate about leveraging scientific computing and advanced data visualization techniques to enhance research outcomes in science, engineering, and medicine.

## Experience

### Software Engineer, Frontend

Amazon Web Services · Maryland, United States

Jun 2021 - Present

Spearheaded innovative UI/UX solutions for applied science software projects, emphasizing collaboration with AI/ML engineers and data scientists to integrate web applications with state-of-the-art DNN models. Led the design and development of intuitive interfaces for complex data analysis and visualization tools, enhancing the research capabilities across security domains at AWS.

- Designed and implemented advanced data visualizations, significantly improving security and scientific insight discovery.
- Collaborated closely with applied scientists and ML engineers to understand and implement UI/UX best practices for web based applications that integrate SOTA DNN model interactions and inferences.

- Developed and maintained scalable web applications for real-time high-frequency data processing, leveraging cloud and on-premises solutions.
- Pioneered the integration of web applications with AI/ML models, enhancing the analytical capabilities of security analysis software.

### Software Engineer

Freelance · Remote, United States

May 2020 - Jun 2021

Leveraged full-stack engineering skills to deliver high-impact software solutions for clients, focusing on the integration of innovative UI/UX designs with robust backend systems. Specialized in developing applications that facilitate visualization, enhancing user engagement and operational efficiency.

- Implemented responsive and intuitive UI/UX designs, for clients like Google, Nest, and Ford.

- Created delightful, beautiful and, performant user experiences across web and mobile platforms.

### Software Engineer, UI/UX and Fullstack Specialist

Steemit.com · Michigan, United States

Mar 2018 - May 2020

Focused on enhancing user experience through sophisticated frontend development and data visualization for a social media platform. Engaged in the development of web applications for analyzing large data sets, contributing to the platform's growth and user engagement.

- Implemented data visualization features using D3.js, enhancing the platform's analytical capabilities.

- Improved frontend performance and user experience, leading to increased user retention and engagement.

### Frontend Developer, UI/UX Specialist

quickly.com & pmc.com · Michigan, United States

Apr 2016 - Mar 2018

Revitalized online presence for various brands by innovating on UI/UX design and integrating frontend technologies with Ruby On Rails, Drupal, and Django backends. Specialized in creating dynamic and interactive web applications that effectively communicate complex information.

- Launched new features and designs that significantly improved user experience and engagement.

- Developed interactive web applications, enabling effective communication and visualization of data.

## Skills

Frontend Development

HTML / JS / CSS / Typescript  
React / Remix / Next / Vue /

Angular  
D3.js

Backend Development

Node  
Python / Flask / Django  
Postgres  
mysql  
DynamoDB

Machine Learning

Jupyter  
Huggingface  
FastAPI

Devops

AWS  
CDK  
Github  
CI/CD Pipelines

## Education

Masters, History of Art  
The University of Cambridge

## Interests

Writing  
Poetry  
Painting  
Photography  
Film  
Scientific Computing  
Data Visualization

## Links

[github.com/ianmaitland](https://github.com/ianmaitland)

[linkedin.com/in/ian-maitland](https://www.linkedin.com/in/ian-maitland)