

Kyle Aig-Imoukhuede

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EDUCATION

The University of Georgia

August 2018

Bachelor of Science Computer Science
Music Performance Minor, Emphasis in Keyboard

SKILLS

Programming Languages

- JavaScript, TypeScript, HTML, Sass, CSS, Java, C, C++, Python, MySQL, PostgreSQL, MongoDB, Terraform

Technologies & Frameworks

- Node.js, React, Next.js, Redux, Redis, Mapbox GL JS, NestJS, Docker, Git, GitHub Actions, AWS, Microsoft Azure, Postman, Figma, Jira, ZenHub, Google Analytics, Hotjar, AirTable

WORK EXPERIENCE

Software Engineer – Locana, *Remote*

July 2021 – December 2024

- Designed and implemented a comprehensive cloud migration strategy for The Nature Conservancy's Hub platform, including database transitions, containerized application hosting, email notification systems, scalability measures, disaster recovery and high availability architecture
- Spearheaded the design and delivery of an event-driven architecture leveraging Redis queues, ETL pipelines, and NestJS services to process telemetry data and map customer usage patterns; presented insights through interactive story-based visualizations to senior stakeholders
- Technical lead for project developing a Next.js-based climate risk adaptation tool for stakeholders in agricultural value chains; created CI/CD pipelines for testing and deploying development, staging and production environments via GitHub Actions and AWS
- Developed React-based web application for government employees to gauge culverts' flood risk in densely populated areas in Maine using geographic information stored in ArcGIS Server
- Implemented responsive, mobile-friendly UIs for The Nature Conservancy's ocean wealth mapping web application built on ESRI's ArcGIS JavaScript, React and Sass
- Contributed to development of client's full-stack social networking platform by creating frontend elements using React and Sass, building API endpoints and integrations with third-party services, and scripting database changes as needed
- Created live synchronization workflow for CRUD operations in MongoDB to reflect in OpenSearch, allowing telecom client's field engineers and planners access to robust, high speed layer data search in their GIS application

PROJECTS

Freelance

March 2025 – May 2025

- Set up email notifications using AWS SES for 500 Women Scientists' social networking platform Orca

CordoFind

February 2021 – July 2021

- Developed a Python application utilizing Twitter's and Spotify's APIs to build a CRM database of music playlist curators and influencers to network with, in turn streamlining the process of finding connections through shared interests (<https://github.com/kyleaig2/cordofind>)