CONTACT

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SKILLS

HTML 5 | CSS 3 | JavaScript (ES5, ES6, ES8) | React.JS | Next.Js | Typescript | Redux | Service workers | Git | GitHub | SCSS | Three Js | React three fiber | 3D web development | Third-party API integration | Web development | Cypress & Jest (TDD) | Agile | DevOps | App monitoring

OTHER TECHNOLOGIES

C# | .NET | Docker | Node.Js | Express.Js | Python | Flask | MongoDB | Linux & Bash | Google Cloud | Prometheus | Grafana | Swagger UI

TOOLS I USE

Git | GitHub | Confluence | Slack | Trello | Figma | Canva | ZenHub | Jira | Kubernetes | GitHub Actions | Docker

EDUCATION

High school certificate (SSCE)
Federal science and technical college, Yaba

📅 SEP 2018 - SEP 2021

📍 Yaba, Lagos state. Nigeria

Certificate of completion
Aitech computer school

📅 OCT 2021 - APRIL 2022

📍 Lagos state. Nigeria

CERTIFICATIONS

React.Js development
 URL https://bit.ly/3HgG6MD

DevOps engineering and concepts
 URL https://bit.ly/41aqtiD

Cypress E2E testing
 URL https://bit.ly/3YtEXZr

Cloud Computing
 URL https://bit.ly/3QE08Gw

Agile project management
 URL https://bit.ly/3P7lE4b

Data structures and algorithms.: In depth in C#
 URL https://bit.ly/41BSKOu

React, NodeJS, Express & MongoDB - MERN
 URL https://bit.ly/3n2Fgwc

React three fiber
 URL https://bit.ly/3K7U58V

Docker and Kubernetes certification
 URL https://bit.ly/3PlNjyl

Linux and Bash scripting certification
 URL https://bit.ly/45ZCSHB

PRINCE C. ONUKWILI

SOFTWARE ENGINEER

CAREER SUMMARY

I'm Prince Onukwili a software engineer with over two years of experience excelling in **Agile** and **DevOps** environments. I create immersive 2D and 3D app interfaces leveraging **WebGL, Three Js, React Js, Typescript, Redux, Webpack** and **Next Js**. I'm also capable of creating **progressive web apps** using **Service workers,** and implementing features like **client-side caching,** and **web-notifications.** My backend skills include **Node/Express Js, C#.NET** and **Swagger UI** for API documentation. My proficiency in **Jira, Git, GitHub** and **GitHub Actions** ensures smooth collaboration, CI/CD, conducting of sprints and progress tracking. Leveraging **Jest, Playwright** and **Cypress I** implement test driven development. I'm also knowledgeable on the **Linux OS** and **Bash scripting**. I'm familiar with **Docker**, **Kubernetes** for deploying app containers to cloud platforms like **Google Cloud**, **Azure**, etc. and monitoring deployed applications metrics using **Prometheus**, and **Grafana**. Notable apps I've developed are **GOPack**, **NigTrak,** and an **Online Auction** platform. I'm able to integrate frontend with backend/3rd-party APIs and produce error-free code via unit/E2E testing. With continuous learning.

WORK EXPERIENCE   JUL 2022 - JUL 2023

Full stack developer - React Js, Next Js, Node Js, C#.NET, Microsoft SQL

MOMAS LTD NIGERIA

- **I streamlined application development by 20%** in my previous role through GOPack, a product I developed. It simplifies bundling projects into static files using pre-configured webpack, curbing plagiarism and expediting production-ready setups.
- **Boosted customer turnout by 15%** in my previous organization through a payment web app enabling easy energy/power payments using technologies like PayStack, Remita, and React Js.
- Created a real-time global personnel tracking software using MQTT, React Js, Node Js, and Google Maps, **yielding approximately 10% revenue increase for the organization**.

FEATURED PROJECTS

GO.Charity Moitoring Dashboard

Full stack developer | DevOps engineer

- Used '**prom-client**' and '**swagger-stats**' to expose the metrics of the GO.Charity auth app e.g. The total no. of HTTP requests made to the application, the HTTP response time for each request, average memory being used by the app, etc.
- Set up **Prometheus** and **Grafana** to scrape and visualize said metrics at regular time intervals.
- Integrated **Swagger API** for documenting the API endpoints.
- Deployed the servers to Docker containers, and enabled continuous deployment on the web services.

GO.Charity (Auth microservice)

Full stack developer & founder

- Utilized **Node, Express Js, Typescript,** and **MongoDB** in the creation of a RESTful API microservice which authenticates user's access to a crowd-funding project.
- Implemented a **CI/CD workflow** that tests and builds the feature branch on every pull request to the master branch before merging.
- Integrated **Swagger API** for documenting the API endpoints.
- Implemented Unit and integration testing using libraries like **Jest**, and **SuperTest**.

ONLINE AUCTION (Auctioning website)

Full stack developer & founder

- Crafted an **online auction platform** using **Next Js** enabling users to list, bid, and **receive email notifications** for expiring products and highest bids.
- Implemented a **CI/CD** workflow which deploys the app container to **Google Cloud Run** serverless platform..
- Made the web app a **progressive web app** which can not only be installed on a user's device, but also supports **caching of client-side resources, Web notifications** (when a user gets out-bid) e.g. pages, images, etc and **offline support**.

FEATURED PROJECTS

FREECODECAMP (Open-source)

Software tester

- Had the opportunity to contribute to the Freecodecamp project.
- I collaborated with others on the platform in the creation of **E2E tests** using Microsoft **Playwright**.
- **Fixed merge conflicts** by **rebasing** the feature branch to the main branch

NIGTRAK

Frontend developer

- Utilized tools like **MQTT**, **React Js, Typescript**, **Google maps** etc. to develop a **real-time tracking software and inventory system**, which tracks registered personnel and their assigned gadgets around the world in real-time via the application installed on their device.

(N.B: THIS IS THE DEMO APP INTERFACE DUE TO THIS BEING A PRIVATE PROJECT! SIGN IN WITH RANDOM CREDENTIALS)

3D MATERIAL EDITOR

3D web developer

- Developed a **3D web editor** leveraging tools like **Three Js**, **React three fiber** and **drei**. The website mimmiks an ecommerce shop by giving the users ability to edit a product to their taste on an online editor, giving them a 3 dimensional preview of how the product would look like when ordered.