

# DANIEL BRAI

## SOFTWARE ENGINEER

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Junior Computer Science student passionate about Software Engineering particularly Backend development with substantial hands-on experience in Node JS, Django & other Server-side frameworks such as Nest JS, Go Fiber and so on. Keen problem solver with an ability to learn quickly and apply previous experience and novel, creative solutions to solve problems.

## WORK EXPERIENCE

### IMISI3D

XR & Web Developer Intern | Jan 2022 - April 2022

- Improved Imisi3D's website load times by 4% by reducing third-party plugins and optimized SEO through the use of strong keywords and descriptions.
- Contributed to the XR projects within Imisi3D using Unity 3D and Three JS as part of an effort to push XR enlightenment in Nigeria

## PROJECTS

### ATOMIC

URL Shortening Service | [github.com/Daniel-Brai/Atomic](https://github.com/Daniel-Brai/Atomic) | May 2023

- Built URL shortener using Nest JS, SQLite3 with Nginx
- Implemented Base62 Hashing Algorithm for the original URLs while trying to prevent collisions
- Enabled fast and efficient request handling through the use of clusters and Nginx as load balancer

### REPOTRAN

Transaction Processing System | [github.com/Daniel-Brai/Repotran](https://github.com/Daniel-Brai/Repotran) | Feb 2023

- Built a transaction processing system with Nest JS with EJS Templates, Docker, and PostgreSQL
- Implemented Two-Factor Authentication through Google with Email verification & enabled file uploads through the AWS S3 and/or Cloudinary Platform
- Integrated payment services - Remita for payment processing when payment is done using a debit card
- Enable automatic receipt generation for a transaction when successful
- Optimized serving of static assets for maximum performance using Nginx as a proxy server

## TASK RABBIT

Courier Service Application | [github.com/Daniel-Brai/Task-Rabbit](https://github.com/Daniel-Brai/Task-Rabbit) | Feb 2023

- Integrated Google Oauth2 for Authentication & Google Maps and Distance Matrix API for real-time location tracking
- Utilized using Stripe and Paypal as payment gateways
- Implemented OTP verification and push notifications with the Google Cloud Platform and Firebase suite
- Enabled image uploads through Cloudinary Storage Platform

## EDUCATION

University of Ibadan, Nigeria

BS Computer Science | 2019 - Present

## SKILLS

### Languages

HTML5, CSS3, JavaScript

Typescript

Python

Golang

Ruby

### Libraries/Frameworks

Node.js, Express, Nest JS

Django

Ruby on Rails

Go Fiber

### Others

SQL

Docker

Linux & Bash