

Goodness

Duru

Software Engineer

SKILLS

- Python
- Rust
- C
- Go
- Javascript
- Django
- Postgres
- PHP
- Docker
- Tensorflow
- Keras

BLOG

goodyduru.github.io

CONTACTS

goodyduru@gmail.com

GITHUB

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

PROFILE

Seasoned software engineer with lots of experience in designing and developing several software solutions. My expertise spans different levels from building low-level system software to user-facing software. I am adept at collaborating with cross functional teams to achieve strategic goals and deliver value-driven results.

WORK EXPERIENCE

LEAD SOFTWARE ENGINEER | RETINA-AI HEALTH INC

2019-Present

A key member of the engineering team responsible for the design and development of the company's main product.

- Led the team that designed and built a PACS system based on Google Healthcare API that integrated DICOM with an AI/ML platform.
- Collaborated with the CTO and CPO in designing the entire product architecture. I recommended using the Google Pub/Sub service to integrate the DICOM server with our web application.
- I built the DICOM server and integrated it with the Google Pub/Sub service. I came up with an ingenious way of authenticating images sent to the server.
- I worked as the QA engineer for a while where I enforced testing procedures. I worked with JUnit and Selenium in adding new tests to our automated tests platform. I also built the entire performance and load testing platform using Locust.
- I built a CLI tool that simulated the behavior of various Fundus cameras. This tool improved the speed of our manual testing by at least an order of magnitude.
- Built deep learning models capable of classifying different grades of diabetic retinopathy using Tensorflow/Keras.
- Assisted the DevOps team in designing and building the Google Cloud based infrastructure.

SENIOR SOFTWARE ENGINEER | DEMZ ANALYTICS

2019-2021

Had a role that straddled machine learning and software development

- Led the team that built a PDF parser for extracting and interpreting financial statements from different financial institutions.
- I single handedly built the search engine for the extracted financial statements.
- Built and integrated a content recommender engine into a video sharing app.
- Ran Exploratory Data Analysis on various internal datasets.

- Recommended and implemented infrastructure changes that saved over 50% of previous cost.

SOFTWARE ENGINEER | FREELANCE

2016-2021

Developed a wide ranging set of software solutions for different clients.

- Designed and developed web applications using PHP.
- Trained and delivered various Computer Vision and NLP models.

RESEARCH PUBLICATIONS

Tejumade Afonja, Oladimeji Mudele, Iroro Orife, Kenechi Dukor, Lawrence Francis, **Duru Goodness**, Oluwafemi Azeez, Ademola Malomo, Clinton Mbataku "*Learning Nigerian accent embeddings from speech: preliminary results based on SautiDB-Naija corpus*". <https://doi.org/10.48550/arXiv.2112.06199>

TECHNICAL PUBLICATIONS

Building an English to Igbo Translation Project. **Published in Medium.** March 2019.