

ELISHA NGOMA

FULL-STACK DEVELOPER

CONTACT

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SKILLS

Full Stack Development:

Experienced in:

- developing web applications
- testing
- deploying scalable secure, and high-performance applications

Front-End Development:

Experienced in using:

- HTML/CSS
- Javascript
- Typescript
- React
- Angular

to build dynamic and interactive user interfaces, with proficiency in HTML, CSS, and JavaScript.

Back-End Development:

Proficient in:

- Python (*Django, Bottle*)
- Java (*Spring Boot*)
- Node.js (*Express.js*)
- JavaScript
- PHP

with a strong understanding of software design patterns, OOP and best practices.

Database Management:

Skilled in both:

- SQL
- NoSQL

with a solid understanding of data modeling, query optimization, and data security.

Containerization:

Proficient in using Docker to containerise and deploy applications, with experience in managing and scaling containers in production environments.

Version Control:

Experienced in using Git for version control and collaboration, with a strong understanding of branching and merging strategies.

PROFILE

I am an AP Graduate in Computer Science, and soon to graduate as a professional Bachelor in Web Development at KEA.

With my education and experience, I am confident in my ability to deliver high-quality software solutions and ensure a seamless user experience. I am a fast learner and always eager to expand my knowledge and skills, and am committed to staying up to date with the latest technologies and industry trends.

I am detail-oriented and have a strong sense of responsibility, ensuring that each project I work on is delivered on time and to a high standard.

WORK EXPERIENCE

Full-stack developer intern

NordInsight

Jan 2023 – present

- As part of my Bachelor internship program, I am currently working as a full-stack developer intern at NordInsight.
- NordInsight's mission is to improve patient safety undergoing MRI-scan by providing a browser-based implant database to various hospitals.
- My role is to work with both front and back-end by adding more features to the NordInsight web application.
- For the front-end I am currently working with React, TypeScript and CSS.
- For the Back-end I primarily work with Node.js, TypeScript and MongoDB.

Web environment project

Copenhagen School of Design and Technology - KEA

Sep 2022 – Dec 2022

- For my Web Environment course in my second semester of my Bachelor program, my group of 4 students had the task of guaranteeing Software Quality Assurance for a web application during development.
- To do this, we used Docker to ensure a consistent development environment and integrated a continuous integration pipeline using Gitlab.
- Additionally, we implemented linting tools, wrote unit tests, and measured the test coverage of the entire application to ensure good quality of our code.
- By following these steps, we were able to work effectively and efficiently as a team of developers.

Stack: Docker, Gitlab, CI pipeline, Shell, Nginx, PostgreSQL, etc...

URCap Development

AIM Robotics

Nov 2021 – Jan 2022

- As a part of my 6th semester in web development, in a group of 4, we built a bank management system, using Python and Django framework.
- With this app, an employee can create a customer and customer accounts, upgrade a customer rank, and get specific customer information.
- On the other hand, the customer can loan money from the bank, transfer money to different accounts as well as pay back the loans.
- With the help of Docker and Nginx, we were able to create two instances of our bank application and implemented a middleman (broker) that handles bank to bank transfer in a way that a customer can send money to an outside bank.

Stack: Python, Django, HTML, CSS, HTMX, Docker, Nginx, sqlite3

FINAL COMPUTER SCIENCE PROJECT

URCap Development

Copenhagen School of Design and Technology - KEA Nov 2021 – Jan 2022

As the final project for my Computer Science education, I developed a new URCap GUI for AIM Robotics' newest air-driven dispensing tool "AirBox". The URCap is a Java plug-in extension that enables the usage of Universal Robots with customised functionality. In this project, I used Java and JavaSwing to develop and build the GUI of the "AirBox".

EDUCATION

Professional Bachelor's degree in Web Development

Copenhagen School of Design and Technology - KEA

Feb 2022 – Present

AP degree in Computer Science

Copenhagen School of Design and Technology - KEA

Oct 2017 – Jan 2022

High School

København VUC (KVUC)

Jul 2015 - Jul 2017

LANGUAGES

English 

French 

Danish 

Swahili 

HOBBIES

- Dancing (Lindy hop, salsa)
- Playing basketball
- Drawing
- Doing fun coding exercises
- Gym
- Running
- Playing Formula 1 simulator
- Play FIFA

PHP School project

Copenhagen School of Design and Technology - KEA

Sep 2022 – Dec 2022

- For my PHP exam in my second semester of my Bachelor degree, I created a web application called Get-Hygge.
- This platform was built using PHP and the Laravel framework and was designed to help locals and expats connect and exchange language and cultural knowledge.
- Through Get-Hygge, users can create, edit, and delete accounts, view other users profile, send connection requests
- In the future, I plan to add more features such as a chat functionality, location service, and improved security.

Stack: PHP, Laravel framework, GitHub, MySQL, HTML, CSS.

Fake Twitter project

Copenhagen School of Design and Technology - KEA

Apr 2022 – Jun 2022

- I built a Twitter-like web application during my Bachelor program using Python, Bottle, MySQL, Tailwindcss, and JavaScript.
- The application features basic Twitter functionalities such as posting, editing, and deleting tweets, following users, uploading and editing profile and wall images, and more.
- The application is hosted on PythonAnywhere and can be accessed at <http://20222web.eu.pythonanywhere.com/>.

Stack: Python and Bottle framework, MySQL, Tailwindcss, JavaScript, GitHub

Front-end developer internship

AIM Robotics

Aug 2021 - Oct 2021

- As an intern at AIM Robotics during my 4th semester of Computer Science studies, I re-designed their website and created the Graphic User Interface for their URCaps using JavaSwing.
- I collaborated with the Lead Software Developer and the marketing lead to ensure a cohesive design, improving my communication and collaboration skills.

Sticks'n'Sushi project

Copenhagen School of Design and Technology - KEA

Oct 2017 – Jun 2018

- In a group of 4 students, as part of our software development Exam, we built an intern program for a company called "Sticks'n'Sushi" in order to facilitate their internal ordering system using Java and Spring Boot, JavaScript, HTML, CSS, MySQL, and Scrum as the project management method.
- Our goal was to upgrade their old system to a fresh new user-friendly and more practical one.

Stack: Java, Spring Boot, MySQL, HTML, CSS, JavaScript, AWS

Civilian military

Royal Danish Defence College - forsvarsakademiet

Oct 2019 - Oct 2020

- As a French-Danish translator in the Danish military, I was privileged to be part of a dynamic and multifaceted organization and gain firsthand experience of the military culture.
- Received a military basic education training in which I learn various military skills, leadership, conflict resolution and more.
- In addition to that, I was trained as a french-danish translator with military professional knowledge.
- After graduation I was deployed with the Danish Air force unit to support the French Army (Operation Barkhane) in Mali in order to provide stability and security in the Sahel region.
- In 2020 I received The Defense Medal for Meritorious Effort.
- Working closely with soldiers from different backgrounds and nationalities, I discovered the importance of teamwork and how it forms the foundation of success.