

# HAMZA KYAMANYWA

FULL STACK SOFTWARE ENGINEER 📍 SEOUL, 02841, SOUTH KOREA ☎ 01098999793

## ◦ DETAILS ◦

Korea University  
Seoul, 02841  
South Korea  
01098999793  
[untilhamza@gmail.com](mailto:untilhamza@gmail.com)

Date / Place of birth  
1998/10/30  
Kampala, Uganda

## ◦ LINKS ◦

[LinkedIn](#)  
[GitHub](#)  
[Portfolio Site](#)

## ◦ SKILLS ◦

TypeScript  
NodeJS  
JavaScript  
NextJS  
React  
Redux  
Docker  
Python  
Express.js  
MongoDB  
Django  
PHP  
C++  
SQL  
Linux  
Git  
HTML & CSS  
SASS/ SCSS  
Pytorch

## ◦ LANGUAGES ◦

English

Korean

Luganda

## 👤 PROFILE

**Dedicated** Software engineer with **strong academic background** and notable **working experience in a startup environment**. **Adept** in an assortment of both front-end and back-end web technologies including **ReactJS, NextJS, ExpressJS, and Typescript**. In previous roles, **optimized product performance by up to 57%**. Built new features, and enhanced existing ones to **drive up user satisfaction and engagement**. **Spearheaded** the transition to NextJS from ReactJS to match the fast-changing business requirements. **Efficiently** self-managed and **collaborated** as part of a hybrid remote and in-person team. **Competent** communicator. **Superior knowledge** of data structures and algorithms.

## 📁 EMPLOYMENT HISTORY

**Frontend Hacker at Slid (<https://www.slid.cc>), Seoul**  
June 2022 — Present

Technologies Used: Typescript, JavaScript, ReactJS, NextJS, Django, SQL, HTML/CSS

- **Identified and fixed** a routing bug on my first day that posed a security vulnerability
- **Optimized the performance** of the user-facing website to achieve **57% faster loading time** using lazy loading and browser-optimized content types
- **Delivered new user-facing features** and **enhanced** existing features in Slid's EditorJS which **drove up user satisfaction and engagement** as evidenced by the **positive user feedback**
- **Built user-behavior** monitoring **performant** react-hooks that facilitated the collection of user data and **significantly sped up** hypothesis evaluation and generation by **50%**
- **Regularly contributed** to **open source** projects like EditorJS upon which the company product was built
- **Spearheaded** the **adaption and transition** to NextJS from ReactJS to align our technologies with the new **company objectives**

## 🎓 EDUCATION

**BSc. in Electrical Engineering, Korea University, Seoul**  
March 2019 — Present

- **GPA: 4.00/4.5** (*Top 10 percentile of the class*)
- **Credits Completed: 124/130** (*Final Year*)

### Related courses completed:

- Internet Programming
- Introduction to Databases
- Data Structures and Algorithms using C++
- C language programming
- Multimedia signal processing using machine learning
- Internet law and ethics

### Relevant course work:

- Published thesis on utilizing model soups to improve knowledge distillation in machine learning
- Implementation of shortest route finding app using Dijkstra's algorithm
- Improving the performance of DnCNN neural network

## ◦ HOBBIES ◦

Guitar, Soccer, Music, Sound engineering

## Korean Language Course, Sunmoon University Korean Language Institute, Cheonan February 2018 — February 2019

Achieved an advanced Korean Profeciency test score of TOPIK 5 within 8 months of learning the Korean language for the first time.

## ★ AWARDS AND HONORS

### Korea Global Scholarships, Seoul

March 2018 — Present

The Korean Government Scholarship Program provides exceptional "non-Koreans" and "overseas Koreans (who fulfill certain criteria)" with the funding and an opportunity to conduct either undergraduate or postgraduate level studies in universities in Republic of South Korea (South Korea)

### Ugandan Government Scholarship, Kampala

August 2017 — February 2018

The Ugandan Government Scholarship is a prestigious fully funded university scholarship awarded to top performing high school students in Uganda on national merit.

### Korea University Academic Excellence Award, Seoul

2019

The Korea University Academic Excellence Award is presented to Korea University students who achieve an outstanding 4.5/4.5 GPA during any given semester in which the student registers for and completes at least 17 credits.

## ★ PERSONAL PROJECTS

### GIPP, Seoul

April 2022 — Present

Technologies Used: Typescript, NextJS, React, MongoDB, HTML/CSS, Google Analytics

- Developed a full-stack single-page application using NextJS, and MongoDB to allow users to easily submit meeting reports to their superiors.
- Designed a Restful back-end server enabling reports to be submitted and easily retrieved from a persistent online MongoDB database
- Employed state-of-the-art DevOps techniques during development such as test-driven development using Mocha Chai and GIT

### ElkPro Cut, Seoul

February 2022 — Present

Technologies used: React, JavaScript, HTML/CSS, Firebase, Matomo Analytics

- Created web booking system for Hair shop which increased sales by 35%
- Developed admin panel for the site which improved internal working efficiency
- Tracked user behavior and patterns to identify customer preferences and required improvements
- Used comprehensive testing regime to ensure bug-free code

## 📖 REFERENCES

### Prof. Beelee Chua, Ph.D from Korea University

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### Prof. Choi Sungyun, Ph.D from Korea University

sungyun@korea.ac.kr · +82-2-3290-3221

### Prof. Jung Seungwon, Ph.D from Korea university

swjung83@korea.ac.kr · +82-2-3290-3230



## COURSES



**The MERN fullstack guide, Udemy**

March 2022 — April 2022



**React - The Complete Guide, Udemy**

November 2021 — January 2022



**100 Days of Python Code: The Complete Python Bootcamp, Udemy**

August 2020 — December 2020



**Learn C++ Programming (Beginner to Advanced), Udemy**

December 2019 — January 2020