

# Abraham Jerry Kakooza

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## SKILLS

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**Technical:** Python, Pair Programming, Git, PostgreSQL, JavaScript, ReactJS, OOP, SCRUM, Asana, Trello, NLP, APIs

## PROFESSIONAL EXPERIENCE

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### Sector Software

**NewYork, USA(Remote)**

*Software Engineer* (Ruby,PostgreSQL,Javascript)

June 2021 - Present

- Backend software Engineer who builds, tests and administers automated tools to aggregate and integrate relevant Jobs data from various Job board platforms into the company database for cohort members to easily search for Jobs. To handle server provider limits, I advise on what should be added to the datastore and what the custom DB state management scripts should delete while archiving the deleted information safely.

*Technical Interview Prep Sessions Facilitator*

March 2021 - June2021

### Makerere AI Lab

**Kampala, Uganda**

*ML Engineer* (Python, ReactJS,APIs,MySQL,Socket.io)

June 2021 –Present

- I perform data collection, pre processing, build training and inference pipelines for various NLP models. Most recently, I have built state of the art local language STT and TTS models. I also built a crowdsourcing web tool to handle the TTS models evaluation.

### OSCA(Open Source Community Africa) Kampala Chapter

**Kampala, Uganda**

*Community Lead*

March 2021 – Present

- I initiated and grew this community of open source enthusiasts in Uganda. This was through partnerships with major Tech Hubs such as The Innovation Village.

## PROJECTS

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### WePod - Open Summer of Code 2021

**Brussels,Belgium-Remote**

*Student Intern* (Solid, ReactJS,Npm,APIs,Javascript,SPARQL)

July 2021

- I worked with Cyrille , Romain and Lin de with mentorship of two coaches , Martin , a seasoned programmer and Xavier a design and product Engineer who founded the Mono company.
- We built a photos management application with solid pod technology for IDLab partners i.e Pieter and Ruben.

Product link - [wepod.osoc.be](https://wepod.osoc.be)

### IDLab (UGent - UAntwerpen - imec)

**Ghent,Flemish Region,Belgium - Remote**

*Contributor* (Javascript, LeafletJS)

June 2021

- With guidance from Ruben Taelman(Post PhD), I developed a new feature to visualize data points on a map for SPARQL/GraphQL queries whose linked data results had wkt strings inside them on the [comunica](https://comunica.github.io/) platform.It was launched onto the Linked Data Fragments client platform on 29th June 2021 with a merge into the codebase.

### Undergraduate degree project thesis

*A sales recommendation engine for local pharmacies* (LSTMs,Python,RNNs)

- Developed a sales forecasting engine for various drugs that used machine learning models and previous yearly sales to accurately come up with one day ahead forecasts.

Thesis Link : <http://hdl.handle.net/20.500.12281/8769>

## EDUCATION

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### Makerere University- College of Engineering

**Kampala, Uganda**

*BSc Telecommunications Engineering*

September 2016-January 2021

## CERTIFICATIONS

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Security Intelligence Engineer - Mastery Award for Students 2016 - 2018

Google IT Support Professional Certificate

Google Cloud Platform Fundamentals: Core Infrastructure