

Yony Kibiwot

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Profile

Dynamic, highly technical, hands-on upcoming software engineer with 1 year experience contributing to the full software development cycle, tackling critical and complex analytic problems and collaborating with peers and other developers to drive efficiency in co-working experiences.

PROGRAMMING LANGUAGES: Python, SQL

OTHER TECHNOLOGIES: FastAPI, Postgresql, Git, SQLAlchemy

LANGUAGES: English(Native), Swahili(native)

Experience

LEAD DEVELOPER | E-BALLOT | [HTTPS://GITHUB.COM/CHERUIYOTLIMO/E-BALLOT](https://github.com/cheruiyotlimo/e-ballot)

- Sole and lead engineer to develop E-Ballot, a Python RESTful application programming interface that is designed to aid medical institutions to place medical students in internship centers after completion of their studies.
- Leveraged Python and the high-performance FastAPI web framework to implement the server-side logic.
- Employed SQLAlchemy to handle all the CRUD operations on the Postgresql database ensuring efficient data retrieval, manipulation and storage.
- Handled authentication and authorization using OAuth2 and JSON Web Tokens (JWT) to ensure safe and secure access to resources and add a layer of protection to user data.
- Maintained responsibility, ownership and oversight of the end-to-end test coverage of the API through robust unit and integration testing using pytest to certify it was up and running as intended.
- Developed a CI/CD pipeline actioned via Github Actions to automate some software development workflows including testing and deployment.

CONTRIBUTING DEVELOPER | DOCTORA APP

- Collaborated with one other software developer to create Doctora, an android app designed to revolutionize tele-medicine by linking patients with gynecologists and obstetricians for consultations over a video call.
- Provided consultation on the appropriate system architecture to lay out the appropriate scope and research potential risks and benefits.
- Partnered with the lead developer to design the elaborate core features, flow and functions with respect to the prospective user needs.
- Supported deployment of Firebase for real-time data synchronization and analytics. Consulted integration of Flutterwave to handle payment transaction.
- Doctora is published on Google Play Store.

Education

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY – DECEMBER 2023 - UNIVERSITY OF NAIROBI

Relevant Coursework

- Data Structures.
- Low-level system design.
- Object Oriented Programming.
- Computer Algorithms
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