

John Paul Otero

Software Developer | Full Stack Engineer

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Professional Summary

FullStack Engineer, recently focused on Front end. Skilled in web development using React, Angular and Flask, and mobile development using Flutter.

Technical Skills

- Cloud Environment: Heroku
- Programming Languages: Python ,C, JavaScript, Dart.
- Frameworks: Flutter, React, Angular, Flask
- Operating Systems: Linux (Ubuntu), MacOS
- CI/CD: CircleCI, Travis CI, Docker
- Version Control: Git, GitHub
- Application Servers: Nginx (Note: Google Serving Angular applications with Nginx)
- Orchestration Tools: Kubernetes Engine (Minikube - Research)
- Databases: PostgreSQL
- Bash scripting

Work Experience

Fullstack Engineer | Nottech Lab

April 2021 - Present

- Worked as a Full-stack developer
- Handled various projects for Nottech clients, from design to deployment. The most used stacks were React/Laravel and Flutter/Laravel.
- Mentored young aspiring software developers from Tanzania, was one of the mentors tasked with teaching REACT framework.
- Lead Frontend engineer in a project (Turaco) where we designed and developed an e-commerce Flutter application.
- Lead engineer in a project where we redesigned and developed the company website.
- Extensively utilized Flask technologies including WTForms, Mail, Templates to develop the application.
- Employed hashed user login credentials for improved security.
- Used an ORM: SQLAlchemy to create and manage tables in a PostgreSQL database.
- Consumed Rest API from a different application and displayed the data to my platform.
- Wrote unit tests to:
 - Ensure that all code meets quality standards before deploying.
 - Reduce bugs when changing the existing functionality.
 - Improve the design and allow better refactoring of code.
- Utilized Heroku Cloud to deploy both the database and the REST API
- Gained knowledge on troubleshooting and resolving low to moderate complexity bugs/issues, with close direction from fellow software engineers.

Fullstack Engineer | Upwork Freelance

Some of the notable applications developed for different clients include;

WindowShopper Commerce platform

Technologies Used: Javascript (Angular), Bootstrap, Python (Flask), Figma, Docker, Kubernetes

- Worked with a team of 5 engineers to develop the entire application. Improved communication and leadership skills. Understood the importance of listening, and concurrence while working with peers.
- Understood the importance of teamwork; soft skills such as patience and empathy were crucial as they made the development process enjoyable (Project requirements, design, build, test, deploy and present the project.)
- Improved version control system(VCS) skills: used Git workflow
- Improved frontend development knowledge; extensively used HTML, Javascript and CSS (bootstrap framework).
- Packaged the application using a docker container and deployed it on a Kubernetes Cluster.
- Time management; used agile methodologies to better plan and manage time used for problem scoping and development.

Github clone

Technologies Used: Javascript (React), Bootstrap, GitHub API

- Built an entire website using the Angular framework. Understood the importance of frontend frameworks to speed up the development process.
- Consumed GitHub REST API; manipulated the JSON object to render the exact data needed on my website.
- Appreciated the value of UI/UX; understood the decisions behind button placement in the website.
- Made use of chrome developer tools to test and fine-tune the website.
- Made the application responsive to enhance the user experience across different devices. (Both mobile and desktop)
- Improved version control system(VCS) skills.

Education

Technical University of Kenya Sept 2015 – Dec 2020

Bachelor of Technology: Geospatial Engineering Graduated
Second Class Upper Honors

Moringa Software development school April 2021 – Oct 2021

Software development- Web development

- Prep program-Covered basic HTML/CSS and JavaScript
- Core program- Covered Javascript Frameworks (Angular and intro to React), Backend development using Python (Flask and Django) and Professional developer fundamentals.

Holberton School Tulsa January 2022

- Currently a student

References

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