

YORDANOS DEREJE

Contact

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Professional Experience

AWURA computing Addis Ababa, Ethiopia (Remote)

Full-stack developer (Python, ReactJS) Aug 2022 – Present

OwlEvents - Event management SaaS app

- Owl Events is a platform that enables businesses to organize events, sell tickets, find vendors, rent spaces, monitor also manage attendees.
- I was involved in leading the front-end team and designing the overall system structure.
- Our team designed and implemented the portal web app that event organizers and vendors interact with. The portal lets organizers post and manage events, create and manage organizer employees (Securities, Ticket sellers...), In depth analytics and everything you'd expect from a SaaS app.
- These are some of the technologies we used: ReactJS, Material UI, Web-sockets, Redux, React-testing-library, Cypress, Django, Celery, Redis, RabbitMQ, NodeJS, PostgreSQL, Docker, Docker-compose, Nginx, GitHub, Self-hosted workflow runner and CI/CD.
- Portal website: <https://portal.owlevents.app>
- Mobile app: https://play.google.com/store/apps/details?id=org.awurapl.owlevents&pcampaignid=web_share

MuluG – Hospital management SaaS app

- MuluG is a hospital management system that let physicians track their patient health in a convenient way. In addition to the basic hospital management functionalities, MuluG introduced dynamic follow-up forms (just like google forms), assessment forms that are submitted after every patient visit, customer support availability for patients, analytics and more.
- I was involved in leading both the front-end and back-end teams, Code reviews and System architecture.
- MuluG is now implemented in MuluG hospital.
- These are some of the technologies we used: ReactJS, Material UI, Redux, React-testing-library, Cypress, Django, Celery, Redis, RabbitMQ, PostgreSQL, Docker, Docker-compose, Nginx, GitHub, Self-hosted workflow runner and CI/CD.
- Demo: <https://drive.google.com/file/d/1mfqRUHsFkLKRbfds2Lx83yM8Y2V13LfB/view?usp=sharing>

iWork Technologies Denver, Colorado (Remote)

Full-stack developer and automation engineer (Python, ReactJS) Apr 2021 – Sept 2022

Automation engineer for post-quantum cryptography system

- The system was made to mitigate cyber issues that will arise once quantum computing is stable. It's a multitenant architecture serving banks, government offices and others which are the main targets of cyber-attacks.
- I was a part of the automation engineering team that made tools for testing the whole system and making sure everything is running smoothly.
- Our team leveraged multiple technologies and built a system that tests the whole cluster periodically and generates a report every time a test is completed. It then sends a notification containing the test report for everyone through slack and email. This way everyone was alerted immediately when anything goes wrong.
- These are some of the technologies we used: Python, NodeJS, Bash scripts, WASM, Testrail, Envoy, Docker, Kubernetes, Helm, Terraform, Ansible, SonarQube, Aws, Gitlab, CI/CD,

Rica Technologies Addis Ababa, Ethiopia (On-site)

Full-stack developer (MERN stack) Jun 2020 – Feb 2021

Rica shopping – Ecommerce platform

- Rica shopping is an ecommerce platform where users can sell and buy items online. It also has a social media feature to let users post their new bought items and interact with each other.
- I was involved in as a full-stack developer where I leveraged NodeJS and flutter to build the platform.
- These are some of the technologies we used: NodeJS, Express, MongoDB, ReactJS, pm2, Flutter, Nginx, Aws.
- Screenshots: <https://drive.google.com/file/d/1saQt89vfuXVvHCi9Sr45YbVqGFaOGkvp/view?usp=sharing>

Rica ride hailing system

- Rica ride hailing system is a ride hailing app where users collect coins on every trip they take, the more coins they collect the more prizes they are winning at the end.
- I was involved in implementing authentication and mass advertisement using SMS.
- These are some of the technologies we used: Python and NodeJS.
- Mobile app: https://play.google.com/store/apps/details?id=com.dispatchrica.user&pcampaignid=web_share

PrimalApps Addis Ababa, Ethiopia (Remote)

Python developer Aug 2019 – Jun 2020

- **Web scrapper** - Implemented a web scrapper pipeline for an e-commerce site, Realtime data was getting scrapped from a competitor website and the client got stayed up to date with new product releases.
- **Telegram voice chat bot** - Designed, implemented and deployed a telegram voice chat bot that matches users with strangers according to their choice of discussion topic. Users can also access features such as: filtering partners with gender, after they subscribe for a small amount of fee. The bot got around 1500 users in a week.
- **Telegram advertisement** - Sending ads to targeted users using telegram API. These users are scrapped from multiple super-groups first and then put into multiples pools of ads groups. Then the advertisement will be sent to the selected pool of users. Everything is done automatically except filtering the scrapped users based on demographics and other variants.

Skills

- **Programming Languages:** Python, JavaScript/Typescript, Go, Dart.
- **Web Development:** Django, NodeJS, ReactJS, Express, Fiber.
- **DevOps:** Linux, Bash, Aws (ec2, s3, lambda), Terraform. Ansible, CI/CD, Docker, Microservices, Kubernetes, Prometheus etc...
- **Management:** Scrum methodology, Sprint planning, Jira, Confluence etc...

Education

Unity University 2016 - 2020

Bachelor of Computer Science

- **Courses:** Assembly, C++, Java, OOP, Compilers, Algorithms, Data Structures, SQL, Database design, Computer Architecture, Operating Systems, System design, Machine learning.