

ROBEL ABDISSA

Addis Ababa, Ethiopia | Phone: (251) 936 776040 | ephraimrobelt5@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Addis Ababa University - Addis Ababa, Ethiopia

October 2015 - December 2020

Bachelor of Science: **Software Engineering**; CGPA: 3.41/4.00

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Databases, Web and Mobile Development, Operating Systems, IT Security, Distributed Systems, Robotics, Big Data, and Calculus.

EXPERIENCE

JSI | John Snow, Inc. - Addis Ababa, Ethiopia

Software Engineer

January 2021 - Present

- Developed a Vue.js web application for medical licensing in Ethiopia, which resulted in the use of around 200,000 medical professionals within the country.
- Deployed the first version of the app on Amazon Web Services within 6 weeks of joining the team.
- Compressed documents before upload using JSZip (a compression tool), saving 40% storage space on google cloud storage buckets.
- Modeled and visualized a dashboard page for data visualization(3 different visualization charts) with Kibana of the ELK application stack.

SamVision Specialized Eye Clinic and Optical Works - Addis Ababa, Ethiopia

Freelance Software Engineer

November 2019 - June 2020

- Coordinated with a colleague to build a single-page web application with component-based architecture, utilizing Angular 6 and Typescript.
- Implemented backend RESTful APIs with 50+ endpoints using Express.js and MongoDB.
- Secured API endpoints with role-based authentication and JWT(JSON Web Token).

JSI | John Snow, Inc. - Addis Ababa, Ethiopia

Software Engineer Intern

March 2019 - October 2019

- Collaborated with a front-end team to design, create, and deliver a component-based, single-page, web application for a pharmaceutical supply agency in under 3 months.
- Caught and resolved front-end code bugs by conducting unit tests with the Jasmine testing framework on a codebase of 25000+ lines.

PROJECT

MasterLance (November 2019 - December 2020) | Vue.js, Node.js, Docker, Socket.io, MongoDB

- Built and deployed a full-fledged online freelancing platform for the local job market in Ethiopia with a team of 5; as part of undergraduate degree final year thesis.
- Integrated a payment gateway (YenePay) along with an instant messaging system for clients and freelancers.

Live Score Viewer (May 2018 - June 2018) | Android (Java), Node.js, Selenium WebDriver

- Developed an automated live score viewing android application for the 2018 FIFA World Cup(all 64 matches), by utilizing selenium web driver to scrap the official FIFA website.
- Cached static assets, and achieved a 50% reduction in load time.

Document Similarity Checker (December 2017) | Python, Tkinter

- Built a python-based desktop application that checks for the similarity of documents by implementing the cosine similarity metrics.
- Detected high similarity between documents when vector representation(alignment) of documents yields a degree difference of less than 30.

EXTRACURRICULAR & ACADEMIC ACTIVITIES

Microsoft 4Africa SkillsLab Program | (June 2020 - January 2021)

- Collaborated with fellow trainees in an online forum to solve issues associated with course projects and earned Microsoft certifications.

JPMorgan Chase & Co. Virtual Software Engineer Experience (May 2020) | Python, Typescript

- Generated a chart for traders to monitor for a trading strategy by applying Perspective (JPMorgan Chase & Co.'s own open-source software framework).
- Analyzed performances of 2 historically correlated stocks and integrated functionality to alert traders for a potential trading opportunity

ADDITIONAL INFORMATION

Skills: Java (Proficient), JavaScript (Proficient), ES6 (Proficient), HTML/CSS (Proficient), TypeScript (Familiar with), Python (Familiar with), MongoDB (Prior Experience), PostgreSQL(Prior Experience).

Tools and Technologies: Angular, Android, Android Studio, Docker, Docker Compose, Git, IntelliJ, Jasmine, JWT Authentication, Jira, LoopBack, MongoDB Compass, Node.js, Postman, Vue.js, and Visual Studio Code.

Operating Systems: Linux, Unix, Macintosh, and Windows.

Languages: English(Full Professional Proficiency), Oromo(Native or Bilingual Proficiency), Amharic(Native or Bilingual Proficiency).