

# ROBEL ABDISSA

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## 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, 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.
- Modeled and visualized a dashboard page for data visualization(3 different visualization charts) with Kibana of the ELK application stack.

### BlackNile Technologies - Addis Ababa, Ethiopia

Co-founder and Lead Software Engineer

April 2020 - April 2021

- Led a team of 4 in conducting daily standup meetings to plan upcoming tasks and review code.
- Migrated an AngularJS telemetry app to Vue 3 and composition API attaining a lighthouse score of 90+.
- Built a chat microservice with gRPC (Google Remote Procedure Call), slashing time by 50%.

### 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).

### JPMorgan Chase and Co. Virtual Software Engineer - New York, NY, USA

Virtual Software Engineer Intern

May 2020

- 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.

### 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

### 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.

## 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.

## 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, and Vue.js.