

EDGAR NTENDE

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FULL STACK SOFTWARE ENGINEER

Enthusiastic full-stack software engineer with more than 4 years of experience developing, designing and maintaining scalable web applications using React and Node. Skilled in requirement analysis, designing and implementing large enterprise web applications by applying Object Oriented Programming principles and Continuous Integration/Continuous Deployment. Proficient in React, Node, MongoDB, Express, MySQL, GraphQL, and Typescript.

Database Design and Integration • OOP • Microservices • UI/UX • Dependency Injection • CI/CD
Aspect Oriented Programming • Test Driven Development • Design Pattern • MERN Stack

Languages: Java, Typescript

Web: HTML5, CSS3, SASS, JavaScript, Bootstrap, jQuery, React.js, React Native, XML, NodeJS

Web Services: RESTful, Graph-QL, Microservices, JSON

Web/App Servers: Apache / Tomcat

Frameworks: Spring (MVC, MVVC, Boot, Security, Data, AOP, DI, Cloud, IoC), Hibernate, JPA, Express

Databases: MySQL, Oracle, MongoDB, Graph-QL, Postgres-QL

Design Patterns: MVC, Singleton, Façade, Observer, Session Factory, Prototype, Builder, Strategy, Inversion of Control (IoC)

SDLC: Agile / Scrum, Incremental/Iterative Model, Sprints

Tools: Apache (Ant, Maven), Gradle, IntelliJ, Eclipse, NetBeans, Notepad++, VS Code, Docker, Kubernetes, Jenkins, Groovy, Git, GitHub

Platforms: Windows OS, MacOS, Linux OS

Application/Software: Salesforce, Ecommerce

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **master's degree in computer science** (Available for full-time, W-2 employment).

Andela (CLIENT: Indeed) Austin, USA (REMOTE) • 07/2021 – 04/2023

Indeed employment website that provides job listings.

Frontend Developer

- Implemented multiple front-end styles using Bootstrap, Tailwind and Fow-bite for a better and attractive User Interface, increasing user interactivity to organization's systems by 40%.
- Designed UI/UX and architecture using React UI components, ensuring accessibility and responsiveness depending on screen sizes and user desires.
- Built components using React tools, including Tree, Slide-View, Lazy Loading, Eager Loading and Table Grid to improve system organization, display of content and page loading speed by 88ms.
- Developed stable components and stand-alone functions using React components, ensuring scalability and single responsibility, leading to higher consistency across system functions.
- Implemented templating for multiple projects using Typescript to create reusable components, leading to faster compilation time and less developing efforts.
- Merged RESTful web services between server side and client side, ensuring data consistency and accuracy, resulting in more reliability from customers to use the product.

Technologies Used: HTML, CSS, JavaScript, Bootstrap, SASS, LESS, ReactJS, Redux, Flex, Git, GitHub, Typescript, VS-Code, CI/CD, Kubernetes, Docker, Microservices, UI/UX, Node.js.

Horelo, Kampala, Uganda • 01/2019 – 07/2021

An e-commerce Store.

Full Stack Software Engineer

- Designed and implemented the user interfaces with best practices of user experience patterns using React UI components, enhancing the usability, experience and browsing of the application.
- Developed algorithms on data using Typescript to fit the requirements of use cases which enabled faster compilations, reduced page and data loading times by 60%.
- Created and managed access to the database using Spring Data JPA for data requirements modeling to take advantage of the Object class relational mapping model to reduce complexity associated with writing concrete SQL.
- Implemented Secure Authentication feature using Firebase, leading to a high level of secured access to the data storage.
- Performed Unit Tests using Jasmine and Jest to ensure that the behavior was as expected on roll out and integration, resulting in a tangible reduction to the number of reported bugs.
- Implemented responsive UI using React Layout Context for different screen sizes to make the application portable.

Technologies Used: Spring Data JPA, MYSQL, HTML5, CSS3, React.js, Typescript, Bootstrap, Redux, Flex, Visual Studio Code, Docker, Graph-QL, Git, GitHub, Typescript, VS-code, firebase, AUTH 2.0, Kubernetes, CI/CD, Node.js.

ACADEMIC PROJECTS

Maharishi International University (2023)

- **Secure Online Auction System:** An online auction application to demonstrate spring boot backend and security on a react.js frontend. I implemented the entire design and implementation. Utilized React.js, Spring Boot, Spring Data JPA, Security, MYSQL Server, VS-code, Git, GitHub.
- **A Library Management application:** It was a group project of a bookstore management console where I was concerned with the Java Swing UI components design and implementation. Utilized Java 8, Swing, Git, GitHub.
- **Medication Reviews/Side-Effects Application:** This project was about creating a data and management store that supported user reviews and rating. I was responsible for creating the List view and the medication UIs. Utilized Angular, Express, Node, JWT, VS-code, Git, GitHub.

Uganda Christian University (2019)

- **Mobile Data Visualization:** An individual project centered on data plotting, visualization and analysis. Utilized React Native, Chart.js, MySQL, VS-code, Git, GitHub, Microservices.
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EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 12/2025)

Maharishi International University, Fairfield, Iowa

Key Courses: Data structures & Algorithms, Modern Programming Practices (Java8), Enterprise Architecture (EA) Spring, Microservices, Web Application Development II (Angular), Web Application Architecture (Spring Boot & React).

Bachelor's in science in Computer Science

Uganda Christian University, Kampala, Uganda (10/2019)

Bachelor's in science in Software Engineering

Makerere University, Kampala, Uganda (01/2016)