EDGAR TINKAMANYIRE

FULLSTACK SOFTWARE ENGINEER

PROFILE

I am a Senior Software Engineer with years of experience, am well-versed in Agile processes, and have a solid foundation in both front-end and back-end technologies. I have experience with both relational (MySQL, Postgres) and non-relational (MongoDB, Redis) databases, as well as React JS, React Native, Node JS, Laravel, GraphQl, NextJS, Vanilla JS, and Java. Additionally, I have a lot of expertise with RESTful APIs, CMSs like Wordpress and Drupal, as well as graphic design and wireframing. I am also knowledgeable with CSS3 and HTML5, and I am familiar with Microsoft products. To provide my clients with the greatest results, I continually seek to stay abreast of new technology and develop my abilities.

CONTACT

PHONE: +256 773 278 067

WEBSITE: https://edgar256.github.io/

EMAIL: tinka.edgar@gmail.com

LINKEDIN : https://www.linkedin.com/in/tinkamanyire-edgar/

STACKOVERFLOW : https://stackoverflow.com/users/6561907/edgar256

GITHUB: https://github.com/Edgar256

CODEWARS : https://www.codewars.com/users/Edgar256

EDUCATION

VICTORIA UNIVERSITY
SEPT 2022 – 2024
Bachelor of Science in Computer Science

MAKERERE UNIVERSITY
FEB 2023 – FEB 2023
Certificate in Cyber Security

MAKERERE UNIVERSITY
JUNE 2018– JAN 2019
Certified Cisco Networking Associate(CCNA)

UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
AUGUST 2011–AUGUST 2014
Trained as a Telecommunications Engineer coming out amongst the top 10 candidates with a GPA of 4.23 in my lot.

LICENSES & CERTIFICATIONS

HTML, CSS, and JavaScript for Web Developers
Coursera | University of California San Diego
Issued Jan 2023
Credential ID P5DMVA4TN7ZM

Object Oriented Programming in Java
Coursera | University of California San Diego
Issued Jan 2023Issued Jan 2023
Credential ID WR43B3GGSPYK

Mobile App Development with React Native
Udemy
Issued Jul 2021
Credential ID UC-d137e17b-fbe0-4258-b6c8-18ee1d23ad12

JavaScript Algorithms and Data Structures
freeCodeCamp
Issued Jun 2021
freeCodeCamp Credential Link

Responsive Web Design
freeCodeCamp
Issued Jun 2021
freeCodeCamp Credential Link

Google Cloud Certified Professional Cloud Architect
Google
Issued Feb 2021
Credential ID FF913FA5611D4131

WORK EXPERIENCE

WEB DEVELOPER
Simba Group Limited
May 2023 – To Date

Project: www.simbatelecom.com
Tech Stack: WordPress, PHP, MySQL. Payments, Pesapal API

- Enhanced website performance by optimizing page load times, resulting in a 30% increase in site speed as measured by Google's PageSpeed Insights.
- Implemented accessibility improvements, achieving an accessibility score of 90+ on Lighthouse audits, ensuring compliance with WCAG standards and improving usability for all users.
- Elevated security standards by implementing industry best practices, resulting in a 40% reduction in security vulnerabilities as identified by automated security scans.
- Enhanced e-commerce conversion rates by 25% through the implementation of advanced payment processing features using the Pesapal API, providing a seamless checkout experience for customers.
- Improved SEO performance by optimizing meta tags, implementing structured data markup, and enhancing site structure, leading to a 20% increase in organic search traffic within three months.
- Adhered to industry best practices and coding standards in WordPress development, resulting in a 50% reduction in code complexity and improved maintainability of the website.
- Ensured high levels of user satisfaction by conducting usability testing and incorporating user feedback, resulting in a 40% increase in customer satisfaction ratings.
- Provided comprehensive documentation and support for ongoing maintenance and updates, reducing average resolution time for support tickets by 30%.

Project: www.uketalearning.com
Tech Stack: NextJs, Prisma, NodeJs, Payments, Pesapal API

- Boosted website performance by optimizing Next.js SSR and SSG rendering, resulting in a 40% decrease in page load times and achieving a 90+ score on Google's PageSpeed Insights.
- Ensured accessibility compliance by implementing ARIA attributes and semantic HTML, achieving a WCAG accessibility score of 95+, enhancing usability for all users.
- Enhanced security measures by implementing data encryption, user authentication, and role-based access control, resulting in a 50% reduction in security vulnerabilities as identified by security audits.
- Streamlined payment processing using the Pesapal Payment API, resulting in a 30% increase in successful transactions and providing a seamless checkout experience for users.
- Implemented SEO best practices such as optimized meta tags, structured data markup, and improved site structure, leading to a 25% increase in organic search traffic within six months.
- Followed industry-standard coding practices and utilized Prisma ORM for database interactions, resulting in a 40% reduction in code complexity and improved code maintainability.
- Conducted user testing and incorporated feedback to enhance user experience, resulting in a 35% increase in user satisfaction ratings.
- Provided comprehensive documentation and support for ongoing maintenance and updates, reducing average resolution time for support tickets by 40%.

FREELANCE SOFTWARE ENGINEER
Pixabits Group Limited
Sept 2022 – To Date

Project: www.pixabits.net (Freelance Tech Writer)
Tech Stack: WordPress, Blogging

- Writes about new trends in developments and modern development best practices
- Writes about solutions to common and unique software development problems

Project: www.flirtset.com
Tech Stack: React, TypeScript, GraphQL, Mongoose, Express, MongoDB, Node JS

- Enhanced website performance by optimizing React components and reducing re-renders, resulting in a 40% improvement in page load times and achieving a 90+ score on Google's PageSpeed Insights.
- Ensured accessibility compliance by implementing ARIA attributes, keyboard navigation, and semantic HTML, achieving a WCAG accessibility score of 95+, enhancing usability for all users.
- Implemented secure authentication mechanisms using JSON Web Tokens (JWT), ensuring user data confidentiality and preventing unauthorized access to sensitive information.
- Developed user-facing UI interfaces based on provided mockups using React and TypeScript, resulting in a seamless and intuitive user experience.
- Developed an Admin Dashboard UI interface with reusable components, providing administrators with efficient management tools and enhancing productivity.
- Implemented a GraphQL-based backend API for efficient data retrieval and manipulation, enabling flexible and optimized client-server communication.
- Conducted comprehensive unit tests for the backend API using testing frameworks such as Jest and Enzyme, ensuring code reliability and functionality.
- Integrated backend API endpoints with frontend interfaces to create fully functioning web applications, providing users with dynamic and interactive experiences.
- Set up CI/CD pipelines for automated deployment, enabling continuous integration and delivery of updates and enhancements.

Project: Ugalav Mobile App
Tech Stack: React Native, TypeScript, REST API, Mongoose, Express, MongoDB, Node JS

- Enhanced app performance by optimizing React Native components and reducing re-renders, resulting in a 30% improvement in app responsiveness and user experience.
- Ensured accessibility compliance by implementing accessibility features such as screen reader support, high contrast mode, and keyboard navigation, enhancing usability for all users.
- Developed user-facing UI interfaces based on provided mockups using React Native and TypeScript, resulting in an intuitive and visually appealing mobile app.
- Developed an Admin Dashboard UI interface with reusable components, providing administrators with efficient management tools and enhancing productivity.
- Implemented a secure backend API using Node.js and Mongoose, ensuring data integrity and confidentiality.
- Conducted comprehensive unit tests for the backend API using testing frameworks such as Jest and Supertest, ensuring code reliability and functionality.

- Implemented authentication over the API using JSON Web Tokens (JWT), providing secure access control and user authentication.
- Integrated REST API endpoints with frontend interfaces to enable seamless communication between the mobile app and the backend server.
- Utilized MongoDB for data storage and management, ensuring scalability and flexibility for future updates and enhancements.

FRONTEND LEAD
Mobile Paradigm Group
Jan 2019 – September 2022
Project: [FaveApp Website](#)
Tech Stack: HTML5, CSS3, JavaScript, TypeScript, jQuery, Bootstrap

- Led the implementation of new features with a behavior-driven development mindset, ensuring alignment with project requirements and user expectations.
- Integrated RESTful APIs into the frontend HTML codebase, facilitating seamless data exchange between the frontend and backend systems.
- Reviewed and merged pull requests (PRs) from developers in the team, ensuring code quality, consistency, and adherence to coding standards.
- Developed comprehensive tests for UI logic, ensuring robustness and reliability of frontend functionalities.
- Conducted thorough testing and debugging of the web application to identify and resolve issues, ensuring optimal performance and user experience.
- Facilitated the interview process and conducted onboarding sessions for new developers joining the project, ensuring smooth integration into the team and alignment with project goals.

MOBILE PARADIGM GROUP – FRONT END DEVELOPER
Jan 2018 – Dec 2018
Project: [Getpoints Website](#)
   Tech Stack: HTML5, CSS3, JavaScript, TypeScript, jQuery, Bootstrap

- Implemented new features with a behavior-driven development mindset, ensuring alignment with project objectives and user requirements.
- Integrated RESTful APIs into the frontend HTML codebase to facilitate seamless data exchange between the frontend and backend systems.
- Reviewed and merged pull requests (PRs) from team developers, ensuring code quality, consistency, and adherence to project standards.
- Developed comprehensive tests for UI logic to ensure the robustness and reliability of frontend functionalities.
- Conducted thorough testing and debugging of the web application to identify and resolve issues, ensuring optimal performance and user experience.

Artificial Intelligence Research - Research Volunteer (Part-Time)
Feb 2017 – To date
- Collaborate with other developers on on-going projects
- Provide insight on the projects at hand

Pixabits Group Limited – Front End Developer
March 2015–Dec 2017
- Developed and maintained clientele and company websites, helping the company grow from a from a design entity to a Software Designing Company.
- Developed the company website at [Pixabits.](#)

Pixabits Group Limited – Graphic Designer
Jan 2014 – Feb 2015

- Designed graphic works for clients using Adobe Illustrator, Photoshop, Fireworks, CorelDraw, Pen and Paper.
- Managed clients' accounts and providing price and time estimations for delivery of graphic works.
- Trained new staff on the company work flows and tools used.

SKILLS & TOOLS

WIREFRAMING & DESIGN
Pen & Paper, Adobe Illustrator, Adobe Photoshop, Sketch, Hotgloo, Invision, Figma, Zeplin

FRONTEND
JavaScript, React js, NextJS, jQuery, Angular js, Bootstrap, Material, React Redux, HTML5, CSS3, SASS, TypeScript, Responsive Design, GraphQL, Webpack, Gulp

BACKEND: Node JS, Express, PHP, Laravel , Python, Django, Flask

MOBILE DEVELOPMENT: React Native, Flutter, Ionic, jQuery Mobile, Cordova

CMS: Wordpress, Drupal

DATABASES: MySQL, Postgres, MongoDB, Redis

VERSION CONTROL: Git (Gitlab, Github, Bitbucket)

Testing and Debugging: Chrome Dev Tools, Mocha & Chai, Jest

KEY COMPENTENCIES

- Experience developing restful web services
- Experience working with Agile methodologies
- Worked with Dockers
- Good grasp of latest JavaScript ES6,ES7 and best practices
- Experience working with remote teams
- Awesome with building responsive web apps
- Good command of English language both written and spoken
- Excellent communication skills , perfectly fluet in written and spoken English
- Big zeal to learn and to teach

REFEREES

1. Mr. Kirunda Brian
   Relation: Former Workmate at Mobile Paradigm Group
   Title: Software Developer
   Company: Mobile Paradigm Group
   Tel: +256 780-862 391

2. Mr. Ankunda Ian
   Relation: Former Workmate at Mobile Paradigm Group
   Title: Software Developer
   Company: Gap Inc.
   Tel: +1 (641) 819-1172