NAUME KIZZA

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FULL STACK DEVELOPER

Passionate and results-driven software engineer with over 6 years of hands-on experience building and deploying scalable solutions that support business growth and deliver great user experiences. Skilled in both backend development and frontend design, whether it's building powerful server-side systems or crafting smooth, user-friendly interfaces. Adept in technologies like Python, Django, Flask, ReactJS, PHP, and more to create complete, end-to-end solutions. Driven by solving real problems through technology, collaborating with others, and continuously learning. Committed to delivering high-quality solutions that consistently meet and often exceed expectations.

- Object Oriented Programming SOLID Database Development Design Patterns SDLC
- Data Structures and Collections Al & Machine Learning Algorithms API Development Microservices

Languages: Python, JavaScript, PHP Web: HTML, HTML5, CSS, CSS3, React JS Web Services: REST, SOAP, GraphQL

Web/App Servers: Apache, Tomcat, Ngnix, Node.js

Frameworks: NodeJS, Express, Flask, Django, Kotlin, Next JS

Databases: MySQL, PostgreSQL, MongoDB

Design Patterns: Singleton, Decorator, Command, State, Adapter, Factory Method, Decorator

SDLC: Agile (Scrum), Waterfall

Tools: Git, Docker, Trello, Slack, Github, Pivotal Tracker, Mongo Atlas, AWS

Platforms: MacOS, Windows, Linux, AWS, Heroku

Application/Software: Zendesk, Salesforce, Apache Web Server, GNU, zoom, JIRA

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).

PROFESSIONAL EXPERIENCE

THRIVETEC LIMITED, Kampala, Uganda • 08/2020 - 07/2024

Thrivetec Limited is a dynamic and innovative information technology company located in Uganda..

Full Stack Software developer

Designed and implemented enterprise applications such as Parking Management Information System (PMIS) and Sido Digital Print System.

- Revamped the Parking Management Information System (PMIS) by redesigning core features such as real-time parking enforcement, automated notifications, and a faster reporting module, resulting in a 25% improvement in system responsiveness.
- Developed a real-time enforcement feature in PMIS using PHP and JavaScript to track and manage car violations instantly, integrated with a live dashboard, cutting parking offences by 40%.
- Introduced an automated notification system in PMIS using PHP and cron jobs to alert drivers and system users about parking sessions, payments, and violations, significantly improving communication and reducing missed payments.
- Enhanced the PMIS user experience by implementing ReactJS-based interfaces for features like parking session management, enforcement tracking, and reporting, boosting customer satisfaction by 27%.
- Created an advanced report generation tool in PMIS using PHP and MySQL that consolidated transaction histories, enforcement statistics, and revenue summaries, enabling faster and more accurate decision-making.
- Designed a smart Al-based Scheduler using Python that was used to stop people from performing system activities like parking sessions at the wrong time. This helped to maintain system accuracy and prevent misuse.
- Led the development of a modern Print Workflow Management System (PWMS) using ReactJS and PHP, introducing features like automated job scheduling, live order tracking, and digital quotation generation, streamlining operations and improving team efficiency by 30%.
- Streamlined PWMS by automating key CRM workflows—quotation creation, order management, and invoicing and added JWT-based authentication using PHP and JavaScript, cutting manual workload by 70% and improving security by 32%.

<u>Technologies Used:</u> PHP, Python, ReactJS, MySQL, HTML5, CSS3, DigitalOcean, JavaScript.

SUPERCOM TECHNOLOGIES LIMITED, Kampala, Uganda • 03/2021 - 07/2022

SuperCom Technologies Limited is a privately held company that provides a wide range of IT services.

Senior Full Stack Software Developer

Designed and implemented and Eccomerce application called Oiko Express.

- Developed a full eCommerce platform from scratch using Python (Flask) for backend APIs and ReactJS with Redux for frontend UI, enabling seamless CRUD operations and improving development efficiency.
- Optimized the currency converter algorithm in the eCommerce platform using Python, reducing server load by 20% and significantly improving speed and processing time.
- Designed and implemented an optimized database structure using PostgreSQL with partial Firebase integration, boosting data persistence and management efficiency by 64%.
- Integrated third-party shipping APIs (DHL, UPS, EasyPost) into the platform, improving delivery process efficiency by 51% and giving clients flexible carrier options.
- Implemented a role-based access system with three dedicated UIs for buyers, sellers, and administrators, enhancing security and user navigation across the platform.
- Built a real-time notification system using JavaScript and WebSocket, improving buyer–seller communication and increasing customer satisfaction scores.

<u>Technologies Used:</u> Python, Flask, Javascript, ReactJS, Redux, PostgreSQL, Heroku, HTML5 & CSS3, REST APIs, Git/GitHub, DHL.

ANDELA UGANDA, Kampala, Uganda • 11/2018 - 12/2019

Andela Uganda is a software company that connects brilliant global talent to meaningful opportunities.

Software Engineer

- Built and launched the HealthID system using JavaScript, ReactJS, Node.js, and PostgreSQL, helping pharmacies manage inventory 30% more efficiently and reducing stock errors.
- Streamlined inventory operations by automating repetitive tasks with cron jobs and backend scripts, cutting manual workload by 40% and giving managers real-time insights for faster decisions.
- Strengthened system security by adding token-based authentication and restricting access to verified users, resulting in a 22% improvement in overall platform safety.
- Enhanced the HealthID interface with a responsive and intuitive UI built in ReactJS, making it easier to navigate and boosting customer satisfaction scores by 25%.
- Accelerated article load speeds by 40% through lazy loading, caching, and efficient state management, keeping readers engaged and improving retention by 30%.
- Optimized algorithms with data scientists, improving accuracy by 25%, and redesigned the UI with interactive dashboards, boosting engagement and retention by 50%.

<u>Technologies Used:</u> Python, Flask, Javascript, ReactJS, Redux, PostgreSQL, Heroku, Docker, and Nginx, AWS, Firebase, GitHub, Jest, Mocha, Postman.

ACADEMIC PROJECTS

Maharishi International University (2025)

Product Review & Rating Platform: Full-stack product review and rating platform from the ground up, using React, TypeScript, Node.js, Express, and AWS. Utilized React, Node.js, Express, Java, SpringBoot, AWS, SpringAI.

PERSONAL PROJECTS

NomaCakes App (2023): Developed and deployed NomaCakes, a mobile and web platform enabling customers to browse, customize, and order cakes from local bakeries, featuring secure payments, real-time order tracking, and interactive customization. Utilized Kotlin, Python, Django, ReactJs, PostgreSQL, Firebase.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Cloud computing, Web Application Programming, Enterprise Architecture

Bachelor of Science in Computer Science in Software Developemt

Nkumba University, Entebbe, Uganda (09/2018)