

Ssengendo Nazil

Full-Stack Software Engineer | Specializing in Laravel, PHP, Node.js, Vue.js, React, MySQL, RESTful APIs

Location: Central Region, Uganda

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Portfolio: ssengendonazil.github.io/portfolio-2024

Professional Summary

Experienced Software Engineer with 8+ years of experience in architecting scalable systems, mentoring teams, and delivering enterprise-grade software solutions.

Specialized in Laravel, PHP, Node.js, Vue.js, React, JavaScript, jQuery, Ajax, and MySQL, with a proven track record of building high-performance distributed platforms and RESTful APIs across healthcare, fintech, and education sectors.

Adept at translating business requirements into technical solutions, optimizing performance, and driving full-cycle development in Agile environments. Passionate about clean architecture, code quality, and fostering a culture of innovation and continuous improvement.

Professional Experience

2025–2025 : Maintenance Software Engineer
Hidden Planet Production North Hollywood | Remote

- Delivered high-quality application pages by implementing complex business logic and proactively resolving critical bugs, ensuring a seamless user experience.
- Collaborated closely with developers and designers to enhance UI/UX, translating requirements into intuitive and visually appealing interfaces.
- Identified and resolved performance bottlenecks, optimizing application efficiency and respo

2024–2025 : Senior Software Developer
Metadent B.V - Netherlands | Remote

- Architected and led a Patient Management Module, boosting performance by 70% and cutting load times by 50% via Redis caching and optimized queries.
- Integrated offline-first sync with Pouch DB to support low-connectivity environments. Implemented RBAC aligned with HIPAA for secure, compliant data access. Optimized database queries, reducing API response time by 80% (5s → 24ms).
- Led Agile teams to deliver key features on time and within scope.
- Built reusable Vue.js packages, improving system speed by 80% and cutting licensing costs by 60%.
- Built core frontend (Vue.js) and backend (Laravel) features for MetaDent CRM in Amsterdam.

2023–2025 : Senior Software Developer
Project Code Ltd-Uganda | Onsite

- Contributed to the development of Lenderly, a loan management platform for a Philippine fintech firm, ensuring system scalability, reliability, and regulatory compliance.
- Mentored juniors and fostered cross-team collaboration to promote continuous learning.
- Optimized backend for high performance and scalability.

2022–2023 : Maintenance – Software Engineer
Technology Point – Kampala, Uganda | Remote

- Backend Developer with hands-on experience across e-commerce, payments, and airline industry domains, delivering secure and reliable platforms.
- Engineered and optimized scalable backend systems, achieving high availability and performance through load balancing and horizontal scaling strategies.

- Designed and implemented RESTful APIs, seamlessly integrating third-party services such as payment gateways, booking systems, and analytics tools.
- Enhanced server performance and reduced response times by applying architecture-level optimizations and efficient database query design.

2020–2023 : Freelance - Software Engineer

Kampala, Uganda | Remote

- Delivered multiple full-stack applications using Laravel, React, Node.js, React Native, and MySQL, ensuring high performance and seamless user experiences.
- Refactored and modernized legacy codebases, significantly improving maintainability, scalability, and execution speed.
- Optimized SQL performance through indexing, query optimization, and schema improvements, reducing query latency and improving system responsiveness.
- Developed and implemented a custom Redis caching layer, cutting database load and accelerating API response times for thousands of concurrent users.
- Integrated YooPayment and other gateways, enabling secure, efficient, and scalable e-commerce transactions across multiple platforms.

Senior Software Developer

Datacare Systems-Kampala, Uganda | Remote

- Designed and implemented an advanced inventory tracking system achieving 95% stock accuracy across 10+ retail outlets, enhancing operational visibility and control.
- Automated key business processes through API integrations (SMS, payments), reducing manual workload by 60% and improving workflow efficiency.
- Reengineered backend modules to optimize infrastructure usage, cutting server costs by 30% while maintaining high system reliability.

- Delivered major feature releases in close collaboration with Product Managers, QA, and UX teams, ensuring timely delivery and alignment with business goals.
- Optimized backend performance through code and query tuning, achieving faster response times, greater scalability, and an improved user experience.

2014 – 2019 Software Developer

Araknerd – Kampala, Uganda

- Developed and maintained robust RESTful APIs using Laravel and Node.js across four enterprise-grade platforms, ensuring reliability and scalability.
- Reduced system incidents by 20% through implementation of custom data validation, encryption, and error-handling strategies.
- Automated system maintenance tasks with cron jobs, including backups, monitoring, and alert notifications to enhance uptime and data security.
- Boosted website SEO performance by implementing metadata optimization, structured data, and performance enhancements, resulting in higher visibility and faster load times.
- Diagnosed and refactored legacy systems, significantly improving stability, performance, and maintainability across critical applications.
- Redesigned backend architecture, enhancing API response speed and system security through efficient data handling and secure coding practices.
- Delivered technical support and maintenance for four large-scale enterprise platforms, ensuring continuous uptime and operational reliability.
- Developed dynamic and responsive user interfaces using React.js, improving user engagement and cross-device performance.
- Built and maintained custom web application features, integrating third-party APIs and services to extend functionality and streamline workflows.
- Engineered RESTful APIs enabling seamless communication between mobile applications and backend systems, ensuring fast and secure data exchange.

Technology And Skills

- **Frontend:**

Experienced in building responsive and dynamic UIs using JavaScript, HTML, CSS, React, Vue.js, TypeScript, Redux, Vuex, Pinia, jQuery, Electron.js, Tailwind CSS, Bootstrap, and Material Design.

- **Mobile:**

Developed cross-platform mobile applications for iOS and Android using React Native and Flutter.

- **Backend:**

Engineered secure and scalable APIs with PHP, Laravel, Node.js, and Express.js

- **Database:**

Proficient in MySQL, MariaDB, MongoDB, and PouchDB, with strong experience in data modeling and query optimization.

- **Performance Optimization:**

Expertise in SQL query optimization, caching, load balancing, lazy loading, code splitting, and indexing for improved system performance.

- **APIs & Integrations:**

Skilled in designing and consuming RESTful APIs, API integrations, and microservices architectures.

- **Dev Tools & Workflow:**

Hands-on experience with Git, GitHub, GitLab, Docker, Jira, Agile methodologies, and Azure DevOps.

- **Software Architecture:**

Strong understanding of scalable systems, cloud-based solutions, RBAC (Role-Based Access Control), and secure data handling practices.

- **Collaboration:**

Worked closely with cross-functional teams, including Product Managers, QA, and Designers, to deliver features on time within Agile sprints.

Open-Source project

- Catflips: An advanced Vue 3 pagination component offering a flexible and intuitive interface for navigating large datasets. Designed for easy integration with both internal and external APIs, it enhances user experience and data management efficiency.
- Septor-store: A scalable state management solution for Vue 3 built on Pinia, following the Plain Old Module (POM) pattern. Simplifies state organization and maintenance, helping developers — from juniors to seniors — build predictable, clean, and maintainable application states, even in large-scale projects.
- Pom Text Editor: A lightweight and highly customizable Vue 3 component library that provides a feature-rich text editor for Vue applications, enabling developers to seamlessly integrate editing functionality with minimal setup.

Education

- Bachelor's Degree in Computer Science Kampala University - Kampala, Uganda
- Uganda Advanced Certificate of Education
Seguku Hills, Uganda
- Uganda Certificate of Education
Seguku Hills, Uganda

Language

English: Fluent

Luganda: Native

Additional Information

- Continuously exploring and adopting emerging technologies to enhance development efficiency and product scalability.
- Thrive in collaborative environments that value innovation, knowledge sharing, and continuous improvement.

- Open to travel and remote opportunities that involve solving real-world challenges with meaningful impact