Waribo Kenneth A.

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Back-end Heavy Full-stack Engineer, AI/Web3 Innovator

Qualifications Summary:

Full-stack engineer with 8+ years of experience building scalable web applications, specializing in backend technologies like Java, Spring Boot, Laravel, Django, and ASP.NET MVC. Skilled in frontend frameworks like React, Vue, and Next.js. Proficient in designing cloud-native solutions with Docker, AWS, and GCP Kubernetes. Experienced in messaging systems (Kafka, RabbitMQ) and implementing secure, high-performance APIs. Recently focused on Web3 solutions, including smart contracts, dApp integrations, and wallet-based authentication. Also exploring LLMs for automation and natural language processing. Known for collaborative problem-solving, technical leadership, and delivering high-quality software across diverse teams and business domains.

Technical Skills:

Languages: PHP, Typescript, Javascript, Java (8,11,17), Python, C#

Backend Frameworks: Laravel, ASP.NET MVC, Spring Boot, Spring MVC, Spring Security, Spring Batch, Spring Integration, Spring Cloud Config Server, Node.js, Django, FastAPI

Frontend Technologies: React, Angular, Vue, Svelte, Next.js, Nuxt, Remix, Redux, Vuex, Tailwind CSS, Bootstrap, Material UI, HTML5, CSS3, Webpack, jQuery

Databases: PostgreSQL, MySQL, MongoDB, Microsoft SQL Server, Oracle, Redis, AWS RDS, Snowflake

Cloud: AWS (EC2, S3, Lambda, EKS, Elastic Beanstalk, CloudFront, Cognito, EBS, ELB, CloudWatch, SNS, SQS, SES), Google Cloud Platform, DigitalOcean, Terraform, OpenShift

Testing: JUnit, Mockito, Jest, Cypress, PhpUnit, Jasmine, Mocha

Messaging: Apache Kafka, RabbitMQ, AWS SQS, REST, GraphQL, gRPC, WebSocket, Socket.IO

DevOps: Git, Docker, Kubernetes, Jenkins, GitHub Actions, GitLab CI, CircleCI, Groovy

Others: Webscraping, Cryptocurrency, Trading, Web3, LLMs, Jira, Postman, Swagger, Confluence, Git, Slack

Professional Experience:

Fullstack Software Engineer   Mar 2022 – Present

Kwivar Finance Limited | Nigeria

Kwivar Finance Limited, (Nextpayday), is a Nigerian financial services company that offers salary advances and point-of-sale financing solutions to business owners, traders, and employed individuals.

- ❖ Managed and mentored a cross-functional team of developers, ensuring project milestones were met while maintaining high-quality standards.
- ❖ Architected and developed scalable backend systems using Laravel, implementing multi-tenancy, payment processing, and RBAC.
- ❖ Designed and deployed smart contracts in Solidity for financial services, ensuring secure and auditable blockchain transactions.
- ❖ Built Web3-enabled decentralized applications (dApps) integrated with Ethers.js, Metamask, and IPFS, enabling blockchain wallet interactions and token-based features.
- ❖ Developed backend integrations for crypto wallets and exchanges, enhancing the platform's support for digital assets.
- ❖ Built AI-powered internal tools using OpenAI's GPT-4 API and LangChain for automating FAQs, content summarization, and customer support workflows.

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- ❖ Implemented document classification and semantic search using vector databases and transformer-based LLM pipelines.
- ❖ Migrated legacy monoliths to microservices using Laravel, Node.js, GraphQL, and Docker to improve scalability and modularity.
- ❖ Optimized AWS cloud infrastructure with Lambda, EKS, and CloudWatch, resulting in a 30% increase in system uptime.
- ❖ Integrated multi-currency payment systems with Stripe, Paystack, and Flutterwave.
- ❖ Built analytical dashboards using Chart.js and D3.js to support business intelligence.
- ❖ Created RESTful and GraphQL APIs with Laravel Sanctum, enforcing strong access control and secure token-based authentication.
- ❖ Enhanced frontend UX with React, TypeScript, and Tailwind CSS.
- ❖ Tuned MySQL and PostgreSQL performance through indexing, query refactoring, and database profiling.

Technologies: Web3, Solidity, Ethereum, IPFS, Metamask, Cryptocurrency, OpenAI GPT-4, LangChain, Vector DBs (Pinecone), Laravel, PHP, Node.js, GraphQL, React, TypeScript, Docker, AWS (Lambda, EKS, S3, CloudWatch), Stripe, Paystack, MySQL, PostgreSQL, OAuth 2.0, JWT, dApps, Microservices

Software Engineer & Systems Architect   Nov 2020 - Mar 2022
Tingo Int'l | Nigeria
Description: Tingo International (Tingo) is a global technology and fintech company primarily focused on empowering small and medium-sized enterprises (SMEs), especially in Africa. The company offers a range of digital products and services that aim to promote financial inclusion, digital connectivity, and economic growth.

- ❖ Led a team of engineers in developing scalable enterprise applications using Spring Framework (MVC, Boot, Security), delivering projects 15% ahead of schedule.
- ❖ Designed and deployed containerized applications with Docker and orchestrated with Kubernetes, reducing deployment time by 50%.
- ❖ Built high-performance web scraping tools with Scrapy, Selenium, and Beautiful Soup, automating data extraction processes and saving over 200 hours of manual effort per month.
- ❖ Implemented event-driven architectures using RabbitMQ and Kafka, enhancing system reliability and scalability for real-time messaging.
- ❖ Optimized database performance for large datasets by utilizing PostgreSQL, MongoDB, improving query efficiency by 35%.
- ❖ Automated CI/CD pipelines with Jenkins, ensuring seamless and error-free deployments across development and production environments.
- ❖ Integrated OAuth 2.0, OpenID Connect, and JWT for secure user authentication across distributed systems.
- ❖ Championed the adoption of big data tools like the Hadoop ecosystem and Apache Solr, enabling advanced data analytics and search capabilities.

Technologies: Java, Python, Webscraping, Firebase, RabbitMQ, Django, Scrapy, Selenium, Beautiful Soup, AWS,SQL, Docker, Kubernetes, Jenkins, Spring Framework (including Spring MVC, Spring Boot, Spring Security, Spring Batch, Spring ORM, Spring AOP, Spring Integration), Hibernate, JPA, JDK 1.8, J2EE technologies including EJB, JDBC, JMS, JAXB, REST, JSF, JSP, Apache Kafka, AWS S3, OAuth 2.0, OpenID Connect, JWT, PostgreSQL, Apache Ant, Gradle, JUnit, Mockito, Apache Solr, Hadoop ecosystem tools, GIT, JIRA, Bootstrap, HTML5, CSS3, MySQL, MongoDB

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Full Stack Developer   Sept 2014 – Nov 2020
Cinfores Limited | Nigeria
Description: Cinfores Limited is a Nigerian-based software development and technology solutions company specializing in creating innovative solutions for education, business, and government sectors. Known for delivering customized software, enterprise applications, and IT services designed to enhance operational efficiency and productivity.

- ❖ Developed and maintained dynamic web applications using PHP and the LAMP stack, supporting over 100,000 active users.
- ❖ Created interactive 2D and 3D educational games with Unity 3D and C#, as part of a gamified learning platform (BrainFriend) increasing user engagement by 25%.
- ❖ Delivered responsive front-end designs with Angular, Bootstrap, and jQuery, improving user experience and retention rates.
- ❖ Streamlined payment gateway integrations with Flutterwave and Paystack, enabling secure and reliable transactions.
- ❖ Automated testing using PHP Unit, reducing bugs in production releases by 30%.
- ❖ Managed deployment workflows on Digital Ocean, ensuring high availability and minimal downtime.
- ❖ Collaborated with cross-functional teams to design and implement RESTful APIs, facilitating seamless integration with third-party services.
- ❖ Led game development training sessions, mentoring aspiring developers in Unity 3D, C#, and best practices for creating engaging, interactive games.
- ❖ Fostered innovation by introducing modern tools and frameworks into the game development curriculum, enabling participants to build portfolio-ready projects.

Technologies: PHP, Unity 3D, C#, NodeJS, JavaScript, Bootstrap, CSS3, HTML5, jQuery, MySQL, Webpack, Apache, JSON, Git, Digital Ocean, jQuery UI, Gitlab, Angular, RESTful APIs, Flutterwave, Paystack, Payment Gateways Integration, PHP Unit, LAMP Stack

Extra-curricular Activities:

- ❖ **Freelance Software Developer**
  Freelancer.com | Profile: *freelancer.com/u/degee147*

  Provided software development services to a diverse global clientele, delivering high-quality solutions across multiple technologies. Gained expertise in handling client requirements, meeting deadlines, and managing end-to-end project lifecycles while also serving as an easy way to stay up to date with industry trends. Key accomplishments include:

  - ➢ Successfully completed over 20 projects with an average maximum rating of 5 Stars.
  - ➢ Specializing in Payment and Third-party API Integrations, Web Server Configurations and troubleshooting, Laravel, SpringBoot and Webscraping

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❖ **Software Development Instructor**
Pan African School of Graduate Studies

Conducted practical and theoretical training sessions for aspiring software developers, focusing on modern programming languages, frameworks, and industry best practices. Played a key role in curriculum design and mentoring students to enhance their technical skills and career readiness.

Highlights include:

➢ Designed and delivered comprehensive training modules on e.g., full-stack development, mobile app development and cloud computing
➢ Mentored 70+ students, with several transitioning successfully to professional roles in the tech industry.
➢ Led workshops and seminars on emerging technologies and trends, fostering innovation and problem-solving among participants.

Certifications:	**Sun Java Programming:** May 2013, MAXJPP12918 **Microsoft Certified Information Technology Professional(MCITP):** Sept. 2013, MAXJPP12919

Education:	**University of Port Harcourt:** BSc Computer Science 2012

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