Waribo Kenneth A.

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Back-end Heavy Full-stack Engineer & Cloud Native Architect

Qualifications Summary:

With over 9 years of experience and a passion for building cutting-edge web and mobile applications. Proficient in the entire development and deployment lifecycle, with expertise in backend programming, Java, Spring Boot, PHP, Laravel, Python, Typescript, Node.js, SQL, modern front-end frameworks like React, Angular, Vue, and Svelte; and Dart, Flutter for mobile development. Skilled in leveraging AWS for scalable deployments and implementing Agile methodologies to deliver high-quality software solutions on time. Renowned for exceptional problem-solving skills and a collaborative approach, facilitating clear and effective communication across cross-functional teams.

Skills:

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

Backend Frameworks: CakePHP, Laravel, Symphony, ASP MVC, Spring MVC, Spring Boot, Spring Security, Spring Batch, Spring Integration, Spring Cloud Config Server, NodeJS, Django, FastAPI, Hibernate, Struts, JPA, Apache Ant, Maven, Gradle

Frontend Technologies: React, Angular, NextJS, RemixJS, Redux, Tailwind CSS, Bootstrap, Material, HTML5, CSS, Webpack, JQuery, Svelte, Vue, Vuex, Nuxt

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

Cloud: AWS EC2, S3, Lambda, Elastic Beanstalk, CloudFront, Cognito, EBS, ELB, CloudWatch, EKS, SNS, SQS, SES, Google Cloud Platform, Terraform, Openshift, Digital Ocean

Testing: ScalaTest, Junit, Mockito, Jasmine, Karma, Kibana, Jest, Cypress, PhpUnit

Security & Compliance: OAuth 2.0, OpenID Connect, JWT, Kerberos, LDAP, GDPR, HIPAA, PCI DSS

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

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

Others: Webscraping, Cryptocurrency,Web3,Apache Solr, Apache Lucene, Elastic Search, Jira, Postman, Swagger, Confluence, Git, Slack

Professional Experience:

Software Engineer & Systems Architect   Mar 2021 – 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.

- ❖ Developed a custom crypto-trading Bot named Autopilot and integrated with Binance and Kraken
- ❖ Developed decentralized applications (dApps) and smart contracts using Solidity and Blockchain technologies, leveraging Web3 for blockchain integration and enabling secure, transparent transactions.
- ❖ Designed and built blockchain-based applications, implementing features such as token transfers, wallet integration, and smart contract deployment for cryptocurrency platforms.
- ❖ Integrated Stripe and Paystack payment gateways, ensuring secure and seamless payment processing for both traditional and cryptocurrency transactions.

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- ❖ Built and deployed scalable applications using Flutter for mobile development, providing high-performance, cross-platform experiences on both iOS and Android.
- ❖ Developed efficient, flexible APIs using GraphQL, enabling complex queries and real-time data updates for web and mobile applications.
- ❖ Utilized AWS services such as EC2, S3, Lambda, Elastic Beanstalk, CloudFront, Cognito, EBS, ELB, CloudWatch, EKS, SNS, and SQS for cloud infrastructure, ensuring high availability, scalability, and fault tolerance.
- ❖ Implemented messaging and event-driven architecture using Apache Kafka and RabbitMQ, improving system reliability and scalability.
- ❖ Designed RESTful APIs and managed API documentation with Swagger and Postman, ensuring clear and easy integration for developers.
- ❖ Developed microservices architecture with Spring Boot and Laravel, ensuring decoupled, scalable, and maintainable systems.
- ❖ Built secure authentication systems using Passport for user management and Security best practices, ensuring safe and reliable user sessions.
- ❖ Created responsive, visually appealing web interfaces using React and Tailwind, delivering seamless user experiences across different devices.
- ❖ Designed interactive and data-rich visualizations using Chart.js and D3.js, enabling advanced data analysis and reporting.
- ❖ Implemented MySQL and PostgreSQL for robust, high-performance relational database management, ensuring efficient data storage and retrieval.
- ❖ Applied ASP.Net MVC for enterprise-level web applications, ensuring modularity and maintainability across large-scale systems.
- ❖ Implemented Microservices architecture, enabling efficient, independent scaling of individual components within large, distributed systems.
- ❖ Stayed at the forefront of cryptocurrency trends and blockchain technologies, ensuring projects leverage the latest innovations for optimal performance and security.

Technologies: Blockchain, Solidity, Web3,Flutter,GraphQL, Stripe, Paystack,Laravel, PHP, Spring Boot,Apache Kafka,RabbitMQ, Swagger, Postman, AWS (EC2, S3, Lambda, Elastic Beanstalk, CloudFront, Cognito, EBS, ELB, CloudWatch, EKS, SNS, SQS), Cryptocurrency, ASP.Net MVC, React, Tailwind, MySQL, PostgreSQL, Passport, Security, Chart JS, D3 Js, Microservices

Full Stack Engineer & Systems Architect   Feb 2017 - Mar 2021
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.

- ❖ Developed and maintained scalable backend systems using Java, Python (with Django for rapid development), and NodeJS (leveraging frameworks like Express for building RESTful services), employing Spring Framework (including Spring MVC, Spring Boot, Spring Security, Spring ORM, Spring AOP, Spring Batch, Spring Integration) for implementing secure, high-performance web applications.
- ❖ Utilized Hibernate and JPA for object-relational mapping, optimizing database interactions with Oracle, PostgreSQL, and MySQL.
- ❖ Implemented RESTful APIs in Python and NodeJS, ensuring smooth data exchange between frontend and backend systems, incorporating OAuth 2.0, OpenID Connect, and JWT for secure authentication and authorization.

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- ❖ Developed and tested web scraping applications with Scrapy, Selenium, and Beautiful Soup to extract data from websites and process it in real-time.
- ❖ Built dynamic, single-page applications (SPAs) using React, Angular, and TypeScript, ensuring a seamless and responsive user interface.
- ❖ Deployed and managed applications on AWS, utilizing AWS S3 for cloud storage and ensuring high availability and scalability across distributed environments.
- ❖ Containerized applications with Docker and managed container orchestration using Kubernetes to ensure smooth deployment across different platforms.
- ❖ Automated the build and deployment pipelines using Jenkins and configured Apache Kafka for handling real-time messaging and event-driven architecture.
- ❖ Leveraged JUnit, Mockito, and Apache Solr for unit testing and optimizing search functionalities in large-scale datasets.
- ❖ Processed large datasets using Hadoop ecosystem tools, enabling distributed data processing and analysis.
- ❖ Integrated third-party APIs and cloud services (including AWS S3), ensuring seamless interaction with external systems and applications.
- ❖ Managed source code with Git and implemented project management workflows using JIRA to streamline development processes and improve collaboration.
- ❖ Designed and implemented databases using MongoDB, MySQL, PostgreSQL, and Oracle, ensuring efficient data storage, retrieval, and scalability.
- ❖ Applied modern web technologies like HTML5, CSS3, and Bootstrap to design user-friendly, responsive web applications.
- ❖ Utilized Apache Ant and Gradle for build automation, dependency management, and improving CI/CD pipelines in enterprise-level applications.

Technologies: Java, Python, NodeJS, Webscraping, Firebase, Django, Scrapy, Selenium, Beautiful Soup, AWS, React, Typescript, Angular, 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, RDBMS with Oracle, PostgreSQL, Apache Ant, Gradle, JUnit, Mockito, Apache Solr, Hadoop ecosystem tools, GIT, JIRA,Bootstrap, HTML5, CSS3,MySQL,PostgreSQL,MongoDB

Full Stack Developer   Sept 2013 - Feb 2017
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 dynamic, database-driven web applications using PHP and MySQL, ensuring efficient data management and secure transactions.
- ❖ Integrated payment gateways such as Flutterwave and Paystack, enabling smooth, secure payment processing for e-commerce platforms.
- ❖ Created interactive, responsive web interfaces using JavaScript, jQuery, jQuery UI, Bootstrap, CSS3, and HTML5, enhancing user experience across desktop and mobile platforms.
- ❖ Built and deployed scalable applications on Digital Ocean, configuring Apache servers for high availability and optimal performance.
- ❖ Developed dynamic single-page applications (SPAs) using Angular and RESTful APIs, ensuring

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smooth client-server communication and modular code.
- ❖ Designed, tested, and optimized backend logic using PHPUnit for unit testing and quality assurance in PHP applications.
- ❖ Used Git for version control and GitLab for CI/CD pipelines, automating deployments and improving collaboration across teams.
- ❖ Utilized Webpack to bundle and optimize frontend assets, enhancing the performance and maintainability of large-scale web applications.
- ❖ Created immersive 2D and 3D games using Unity 3D and C#, developing rich gameplay mechanics, animations, and assets for interactive gaming experiences.
- ❖ Leveraged JSON for data exchange in web applications, ensuring smooth and efficient communication between client and server.
- ❖ Configured and managed LAMP (Linux, Apache, MySQL, PHP) stack environments for the development and hosting of web applications.

Technologies: Technologies: PHP, Unity 3D, C#, 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

❖ **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.

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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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