Jonathan Kibet

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Software Engineer | JavaScript, Typescript, React, React Native, NodeJS, GraphQL, Laravel, PHP

Professional Summary

● Over **3+** years of experience as a **Fullstack** and **Mobile Engineer**, developing both **Web** and **Mobile** applications based on **HTML5**, **CSS**, **JavaScript**, **jQuery**, **AJAX**, **JSON**, **XML**, **ReactJS**, **NodeJS** and **Flutter** respectively.

● Strong experience in using **AJAX** for implementing dynamic webpages where the content can be fetched via **API** calls, using **RESTful** web services.

● Extensive experience in using JavaScript libraries like jQuery and in developing Rich Internet Applications (**RIA**).

● Experienced in **AJAX**, **JSON** with **jQuery** for request data and response processing.

● I possess the expertise to develop robust and scalable server-side applications with in-depth knowledge of the **Node.js** ecosystem, including its core modules and popular frameworks such as **Express.js**

● Developed **Web API** using **NodeJS** and hosted on multiple load balanced API instances.

● I can efficiently build high-performance web servers and **APIs** that cater to the demands of modern applications.

● Knowledge in using **NPM**, **YARN** for package management and installation.

● Experienced utilizing **Node.js** architecture by building large applications from lightweight and loosely coupled components communicating via APIs.

●I have utilized Node.js by building high-performance web servers and APIs that efficiently handle concurrent requests.

● Utilized Node.js tools such as **Grunt** and **Gulp** to automate tasks such as code compilation, testing and deployment improving development efficiency.

● Written and deployed Node.js functions as serverless endpoints.

● Excellent experience and Knowledge in CSS preprocessors like **LESS** and **SASS**.

● Used **Bootstrap** framework and media queries for developing customizable and responsive web design for compatibility with different platforms and screen sizes.

● Highly proficient with **TailwindCSS** especially with its rapid predefined utility classes, styling options, responsiveness and optimal performance designed for smaller file size.

● Expertise in **ReactJS** framework developing Single Page Applications(SPA) utilizing React's Components Based Architecture(CBA) for creating interactive user interfaces, seamless content updates and smooth navigation.

● Knowledge of using flux architecture in ReactJS for building client-side web application.

● Vast and in-depth understanding of the **React DOM** and **Virtual DOM**.

● Utilized **React Query** for optimal data-fetching, caching, synchronization and fast server state updates.

● Experience with **Redux Toolkit** for complex state management and middleware libraries such as **Redux Thunks**, **Redux Saga** and **Redux Observable**.

● Proficient in **Flutter**, with a strong understanding of its core principles and ability to develop high-quality, scalable mobile applications for both **iOS** and **Android** platforms.

● Skilled in building user-friendly, responsive, and intuitive mobile interfaces, utilizing various Flutter libraries and frameworks such as **Provider, Flutter Bloc**, and **Firebase**.

● Experienced in integrating **APIs**, third-party services, and databases into Flutter applications, ensuring seamless data flow and robust functionality.

● Proven track record of delivering projects on time, within budget, and exceeding client expectations, through effective collaboration with cross-functional teams and agile methodologies.

● Strong knowledge of mobile development best practices, including **code optimization**, **debugging**, and **testing**, and ability to troubleshoot and resolve issues promptly.

● Skilled in optimizing React Native application performance through the use of performance tools such as React Native **Debugger** and **Flipper**.

● Passionate about staying up-to-date with the latest trends and advancements in React Native development, and constantly seeking opportunities to learn and improve skills.

● Familiar with popular React Native libraries and tools such as **NativeWind**, **NativeBase**, and React Native Elements, enabling rapid development of UI components and streamlined app design.

● Proficient in developing **Flutter** apps compiled to native code, providing near-native performance on both iOS and Android platforms.

● I've extensively utilized Flutter's wide range of customizable UI widgets and a flexible layout system, that allows for creating stunning and visually appealing user interfaces.

● Experienced in integrating Flutter apps with Firebase Firestore, Firebase Authentication and performing serverless computing tasks using Firebase Cloud Functions.

● Experienced **Laravel** developer in designing and implementing high-performance web applications.

● Skilled in building scalable and maintainable applications using Laravel's ecosystem of tools and libraries.

● Expertise in implementing authentication and authorization mechanisms using Laravel's built-in features or popular packages like **Laravel Passport**.

● Proficient in testing methodologies and tools, including **PHPUnit** and Laravel **Dusk**, to ensure code quality and maintainability.

● Experienced in using Laravel's Eloquent ORM for database management.

● Vast understanding and expertise of MySQL, PostreSQL databases and Laravel's authentication and authorization.

● Strong understanding of **MVC** architecture, **RESTful APIs**, and database design principles.

● Proficient in integrating third-party APIs and services, such as **payment gateways** like **Stripe** and social media platforms.

● I have extensive experience in managing schemaless databases with **MongoDB**.

● Proficient in utilizing MongoDB**'s** document-based data model, leveraging collections, documents and fields to store and retrieve data efficiency.

● I am skilled in using **ORM's** (Object-Relational Mappers) like **Mongoose**, enabling me to efficiently model data, perform CRUD operations, and establish robust data relationships.

● Strong understanding of version control systems such as Git and familiarity with CI/CD tools such as **Jenkins**, **Bitrise**, and **Travis CI** to automate the build and deployment process.
● Familiarity with Git hosting platforms like GitHub, GitLab and Bucket.
● Proficient in resolving Git conflicts and handling complex merge scenarios.
● Familiarity with **DevOps** tools and practices, such as **Docker**, **Git**, and **continuous** integration and deployment.
● Proficient in Model View Control (**MVC**) design pattern and Test-Driven Development (**TDD**).

● Wrote application-level code to add functionality to the perform client-side validation using JavaScript.

● Debugging applications in different browsers using Firebug, and testing applications using **Jest**

● Worked with JavaScript validations and developed Object-Oriented code.

● Experienced in implementing in search engine optimization (**SEO**) for websites using keywords.

● Good Web Application debugging skills using Chrome Developers Tool and Firebug.

● Experienced with User Acceptance Testing (**UAT**) and Accessibility Testing.

● Experienced with image editing tools such as **Figma**, **Fireworks**, and **Illustrator**.

● Excellent communication skills, with the ability to explain complex technical concepts to both technical and non-technical stakeholders and provide comprehensive project updates.

● Excellent problem-solving skills and ability to collaborate effectively with cross-functional teams to deliver high-quality software on time and within budget.

● Passionate about staying up-to-date with the latest web development trends and technologies, and continuously improving skills through ongoing learning and experimentation.

Technical proficiency skills

● Language: **JavaScript**, **Typescript**, **PHP**, **SQL**

● Frontend: **React**/**Redux, React Query**

● Backend: **Express**, **Laravel, Firebase, GraphQL**

● Mobile: **React Native, ContextAPI**

● Database: **PostgreSQL**, **MySQL**, **MongoDB**

● UI Framework**: Material UI, Chakra UI Semantic UI, Tailwind CSS, Bootstrap, React Native Elements, NativeBase**

● UI Build: Linters/Formatters like Prettier**, ESLint**

● CSS Preprocessors: **SCSS, LESS**

● CSS Components: **Styled Components**

● Module Bundlers**: Webpack, Parcel, Rollup**

● Server Side Rendering: React(Next.js)

● Experience with abstraction and code reuse

● Ability to structure code-base to be extendable

● Writing reusable components, services, and models

● Ability to work well with other developers within an agile development team

Professional Experience

KIRDI, Kenya – *Backend Engineer*
March 2023 – July 2023

- Developing and maintaining web applications using Laravel PHP framework
- Creating and modifying RESTful APIs using Laravel and integrating them with React.js frontend
- Designing and developing database schemas using **MySQL**
- Implementing authentication and authorization using Laravel Passport
- Developing reusable Vue.js components and integrating them with Laravel backend
- Creating and maintaining documentation for **APIs**, database schema, and codebase using Swagger, **PHPDoc**, and **JSDoc**
- Implementing caching strategies using Laravel Cache
- Developing unit and integration tests using **PHPUnit** and Jest for Laravel and React.js codebases
- Using Git version control to manage codebase and collaborating with other developers using **GitFlow**
- Troubleshooting and debugging issues in production and staging environments using **Laravel Telescope** and React.js devtools
- Refactoring legacy codebase using modern PHP and JavaScript practices
- Using Agile methodologies for project management and collaborating with product owners, designers, and other stakeholders
- Integrating third-party services using Laravel and React.js libraries and packages, such as **Stripe**, **Twilio**, and **Google Maps**
- Using **Docker** and Kubernetes for local development and deployment
- Implementing responsive and accessible frontend designs using HTML, CSS and React tools

- Using **Webpack** and **Laravel Mix** for **frontend asset** management and optimization
- Providing technical support and training to other developers and non-technical staff
- Participating in code reviews and providing feedback to other developers
- Researching and keeping up-to-date with latest web development technologies and trends
- Communicating project progress and status to project managers and stakeholders using **Jira** and **Confluence**

Technologies Used: ReactJs, Tailwind CSS, Typescript, Laravel.

AutoLink Limited, Kenya – *Mobile engineer*
June 2022 - Feb 2023

- Built custom components using **React Native Elements** to provide a consistent and visually appealing **user interface** across the app
- Developed and maintained a React Native mobile application using **NativeWind** and **NativeBase** UI libraries to ensure high performance and responsiveness
- Implemented **Redux** to manage application state and improve data flow throughout the application
- Utilized Git for version control and collaborated with other engineers on the codebase
- Implemented push notifications using **Firebase Cloud Messaging** to provide real-time updates to users
- Implemented deep linking using **React Navigation** to improve user experience and enable seamless navigation throughout the app
- Leveraged **Expo's** pre-built APIs for features such as camera and location access, enabling faster development and reducing the need for custom native code.
- Utilized **Expo Secure Store** to persist data locally and reduce the number of network requests
- Built and maintained a **RESTful API** to support the mobile application using Node.js and Express.js
- Utilized Postman to test **API** endpoints and ensure proper functionality
- Implemented **error** handling and logging using Sentry to improve app stability and debug issues
- Utilized Google Analytics to monitor app usage and identify areas for improvement
- Published a React Native application to the **App Store** and **Google** Play using **Expo CLI**, simplifying the process of building and signing native binaries and enabling more efficient distribution.
- Improved app accessibility by implementing React Native Accessibility libraries and adhering to WCAG 2.0 standards
- Built a custom theme using styled-components to ensure consistent branding throughout the application
- Utilized **ESLint** and Prettier to enforce coding standards and improve code readability
- Implemented In-App purchases and payment gateway integrations using React Native Payments to enable users to purchase premium features
- Used **React Native Vector Icons** to provide high-quality icons throughout the app
- Wrote automated tests using Jest to ensure proper functionality and prevent regressions
- Implemented internationalization using React Native Localization to provide a localized experience for users in different regions

- Published a React Native application to the App Store and **Google Play** using Expo CLI(**EAS**), simplifying the process of building and signing native binaries and enabling more efficient distribution.
- Utilized **Expo Secure Store** to persist data locally and reduce the number of network requests

Technologies Used: React Native, Expo Secure Store, Expo Cli, NativeBase, React Native Elements, Context API, Redux Saga, Redux Toolkit, Context API, Expo Vector Icons

AutoLink Limited – *Frontend Engineer*
Jan 2021 - June 2021

- Worked as a **Frontend** engineer using **ReactJS** and **NodeJS** to build web applications and APIs
- Collaborated with the design team to create intuitive and responsive UI/UX designs
- Utilized **TypeScript** for type checking and static typing in **JavaScript**
- Built scalable and maintainable code using best practices and design patterns
- Translated design specifications and requirements into technical specifications and code
- Implemented and maintained unit tests for code coverage and regression testing
- Conducted code reviews and provided feedback to other team members
- Optimized web applications for maximum speed and scalability
- Worked with databases like **MySQL** and **MongoDB** to store and retrieve data
- Built **RESTful** APIs using **NodeJS** and **ExpressJS**
- Utilized Git for version control and code collaboration
- Used **Webpack** and **Babel** to bundle and transpile code
- Implemented authentication and authorization using **OAuth** and **JWT**
- Worked with class components in ReactJS to build complex UI components
- Utilized **ReactJS** and **Redux** for state management in web applications
- Transitioned from class components to functional components in ReactJS for improved performance and code maintainability
- Used **TailwindCSS** for rapid prototyping and styling of web applications from 2020
- Worked with Agile methodologies for project management and development
- Conducted performance testing and load testing to identify and resolve bottlenecks in web applications
- Provided technical support and troubleshooting for web applications in production
- Collaborated with other developers and stakeholders to identify and resolve issues in web applications

Technologies Used: React JS, Redux Toolkit, TailwindCSS, Webpack, Docker, Redux Saga, Express, JWT, Typescript, Context API, Socket.io

Education
Multimedia University of Kenya, Nairobi - *Degree*
Sep 2019 – 27th Oct 2023
Bachelor of Business Information Technology – *SECOND CLASS HONOURS UPPER DIVISION*

Portfolio
Link here. Includes links to my X (formerly Twitter) profile and GitHub repository.

Referees

- **Otuya Alvin** Developer Lead, AutoLink Limited, Nairobi Kenya, +254748755840
- **Tama Leve** ICT Head, Kirdi, Nairobi Kenya, +254724867889