Simon Kamau Githua

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PROFESSIONAL SUMMARY

Multi-skilled Full Stack Developer and Aircraft Maintenance Technician with a strong foundation in software and mobile app development and extensive experience in aeronautical engineering. Proficient in creating scalable, user-centered applications and adept at performing complex technical inspections, troubleshooting, and repairs on aircraft. Known for technical precision, problem-solving, and a strong commitment to safety and efficiency in both digital and mechanical domains.

TECHNICAL SKILLS

Full Stack Development

- **Frontend**: HTML, CSS, JavaScript, React.js, Vue.js, Responsive Design
- **Backend**: Node.js, Express, PHP, Laravel, MySQL, MongoDB
- **Tools & Libraries**: Git, Firebase, RoomDB, Material UI

Mobile Application Development

- **Languages**: Kotlin
- **Frameworks**: Jetpack Compose, MVVM Architecture
- **Technologies**: Firebase Authentication, Firestore, Room Database, Hilt

Aircraft Maintenance

- **Technical Skills**: Aircraft Inspection, Troubleshooting, Corrosion Control, Preventative Maintenance, Logbook Documentation
- **Aircraft Types**: Cessna (152, 172, 180, 182, 206, 208), Bell (206 L-4, 407), Eurocopter AS350, Robinson R-44

PROFESSIONAL EXPERIENCE

FREELANCE FULL STACK & MOBILE DEVELOPER   Remote

01/09/2023 – present

- **NexChat Android App**: Developed a real-time Android chat app using Kotlin and Jetpack Compose, with Firebase Authentication for secure login and messaging features.
- **IST Alumni System**: Built a web-based alumni system with Laravel and MySQL for profile management, social media integration, and secure authentication, enhancing connectivity within the alumni network.
- **Water Delivery Website**: Designed a MERN stack website to facilitate order management, allowing customers to request and track deliveries, with a seamless user interface.
- **Expense Tracker**: Created a React.js-based expense tracker app for personal finance management, enabling users to categorize and analyze expenses.
- **Trinity Church Application**: Developed a PHP/Laravel-based website featuring event updates, sermons, and community resources for an engaging user experience.

NATIONAL AIR SUPPORT DEPARTMENT   Nairobi, Kenya

AIRCRAFT MAINTENANCE TECHNICIAN   *16/01/2023 - 14/04/ 2023*

- Performed troubleshooting procedures to find root causes of faults.
- Executed corrosion control and inspection duties with minimal supervision.
- Completed scheduled maintenance checks of different aircraft and their engines, which included, Cessna; C- 152, C-172, C-180, C-182, C-206, C-208, Husky, Bell 206 L-4, Bell 407 Euro copter AS350 and Robinson R-44 helicopter to comply with aviation laws and regulations.
- Evaluated and repaired electrical, air handling, and other systems to secure aircraft safety.
- Recorded all maintenance performance in aircraft logbooks and completed other paperwork requirements as needed.
- Executed preventative maintenance on aircraft electronics and computers for proper functioning.
- Removal and refit of aircraft power plants; PT6 A – 114A (Cessna 208 B), Lycoming O 360 engine (Cessna 100 Series, Husky Super cab), Continental IO 550 Engine (Cessna 206), Lycoming 0 -540 (Robinson Helicopter R44).
- Cultivated a safe and organized work area by maintaining active control over tools and equipment and retaining FOD awareness at all times.

KENYA CIVIL AVIATION AUTHORITY   Nairobi, Kenya

Apprentice   *15/02/2021 - 14/05/2021*

- Preparations of already processed special flight permits, duty exemption letters for aircraft spare parts, and radio forms.
- Conducting inspections on aircraft, and training facilities for certification and approval purposes and preparing detailed reports on finding of such activities.
- Guiding industry and promoting compliance with Airworthiness regulations and associated publications.
- Read and interpreted aircraft documentation to determine repair feasibility and methods.
- Examined and tested aircraft parts, components, and systems to verify airworthiness and functionality.
- Recording, reviewing, and processing applications from aircraft maintenance personnel for issues, renewal, validation, and extension of license approvals and ratings for same.

PROJECTS

- **NexChat App**: Android-based chat app using Kotlin and Firebase for real-time messaging and secure authentication.
- **IST Alumni System**: Laravel and MySQL-based web platform enabling alumni engagement and profile management.
- **Water Delivery Website**: MERN stack application facilitating streamlined order tracking and communication between customers and service providers.
- **Expense Tracker**: React.js application for tracking personal finances and categorizing expenses.
- **Trinity Church Application**: Laravel-based website for a church community, featuring event and sermon management.

EDUCATION

Institute of Software Technologies   Nairobi, Kenya

Diploma in FullStack Development   *Graduation Date: 09/2024.*

Studied: HTML, CSS, JavaScript, React.js, Vue.js, API development, Express, MongoDB, MySQL, PHP, Laravel, Android development with Jetpack Compose and Kotlin.

East African School of Aviation   Nairobi, Kenya

Diploma in Aeronautical Engineering   *Graduation Date: 11/2022.*

Core Focus: Aircraft systems, gas turbines, propeller systems, and electrical systems.

Kangaru School	**Embu**, **Kenya**
High school diploma	*Graduation Date: 11/2017.*

CERTIFICATIONS

- Introduction to Android Development
- Backend Development with Laravel
- Aeronautical Engineering Certification
- Million Leaders Mandate Certification

SKILLS & INTERESTS

Skills: Problem-solving, Critical Thinking, Attention to Detail, Teamwork, Leadership, Dependability

Interests: Playing football, swimming, reading books, coding

Languages: English, Kiswahili, Spanish(A1)