

# KALYA HILLARY

Full-Stack Developer

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## SUMMARY

- Demonstrated software architect with incredible ability to lead projects to completion.
- 5 years' experience in mobile application development.
- Unique mix of product awareness and technical know-how.
- Experience leading cross-functional software development teams for massive projects.
- Experience in Using Agile and DevOps Methodology for Software Development.
- I Have knowledge on MVP, MVVM,MVC design patterns

## CAREER OBJECTIVE

To become a successful professional in leading corporate and to work in an innovative and competitive world. This will help me to explore myself fully and realize my potential.

## WORK EXPERIENCE

### PROGRAMMING\_LANGUAGES\_AND\_DATABASES\_:

#### KEY Languages:

- C# Language – Used to build secure APIs as well as WEB Dashboard and Services (**expert**)
- JAVA / XML Language – Used to build Android Mobile Applications(**expert**)
- HTML5, CSS3 and PHP – Used for WEB Dashboards (**mid-level**)
- Python- Used to build AI projects with it (**mid-level**)
- Flutter-used for mobile development (**expert**)
- React JS- using it for web dashboards and admin usage (**mid-level**)

#### Databases:

- MSSQL – Used this RDMS for most of the companies Database (**expert**)
- MySQL – Used this RDMS for personal project Database(**expert**)
- SQLITE /SQFLITE– used for temporary storage of date for Offline capabilities then sync to online database i.e., MSSQL, MySQL, firebase(**expert**)
- FIREBASE-Used this for NO SQL projects(**expert**)

#### Version control systems:

- GitHub : <https://github.com/Hillarie-kip>

- Bitbucket : [https:// bitbucket.org/leeroyleeroy/](https://bitbucket.org/leeroyleeroy/)

## **COMPANY ORIENTED PROJECTS**

### **1. COMPANY: PROTO ENERGY (Pro Gas)**

**Lead Android Engineer**

**09/2018-**

**PRESENT**

**Team Members: 2**

**Main technologies: C#, Android, MSSQL, JQuery**

**Project Name: ProGas**

**play store link:** <https://play.google.com/store/apps/details?id=com.protoenergy.progasdrivers>

- The App allows the drivers to perform sales through the platform on deliveries
- Use MSSQL as its main Database and SQLITE for Offline capabilities
- Integrated with different libraries as well as Payment API's

**Project Name: Recon App**

**play store link:** <https://play.google.com/store/apps/details?id=com.protoenergy.prorecon>

- The App allows the reconciliation team to perform stock balances from deliveries daily as well as load trucks stocks for deliveries

**Project Name: Pro Sales**

**play store link:** <https://play.google.com/store/apps/details?id=com.protoenergy.prosales>

- The App allows the pre sellers to map customers as well as put pre-orders to the system.

**Project Name: Pro Mech**

**play store link:** <https://play.google.com/store/apps/details?id=com.protoenergy.promech>

The App allows the mechanics to view maintenance request from driver's platform as well as close

the requests for trucks to be allowed for deliveries

- Use MSSQL as its main Database
- Use of Firebase for crash analytics

**Project Name: Pro Staff**

**play store link:** <https://play.google.com/store/apps/details?id=com.protoenergy.prostaff>

- The App is used by proto Staff to apply leave, download payslips as well as personal purchases and company purchases through procurement

## 2. COMPANY: ESQUE KENYA

**Lead Android Engineer**  
**PRESENT**

04/2018-

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**Team Members: 1**

Main technologies: C#, Android, Flutter, MSSQL, Postgresql, React JS

**Project Name: Maqao (Real Estate & Delivery App)**

**Google play store link:**

<https://play.google.com/store/apps/details?id=com.esquekenya.maqao>

- Use to manage real estate property as well as manage payments and invoice
- The app purpose also is used for delivery services

**Project Name: HomeDoctor (Patient/Doctor App)**

**Google play store link:**

<https://play.google.com/store/apps/details?id=com.esque.homedoctor>

- Patients requests for medical assistance and based on there location the system assigns the request to the nearest doctor
- Patient can view online doctors in map view
- In-app chats helps track patient emr as well as help in health tracking on patient
- Push Notifications for doctors and patients in the app to boost response time
- Request Assignment is done by the system based on request type of patient as well as location, if no doctor near a geo location, the request goes to homedoctor call center

**Project Name: HBAAdmin (Admin App)**

**play store link:** <https://play.google.com/store/apps/details?id=com.esque.honorbookadmin>

- The App allows the admins to reassign as well as visualize deliveries and tracking locations through maps

**Project Name: ES Retail App**

**play store link:** <https://play.google.com/store/apps/details?id=com.esque.esqueretail>

- The App is customized for Clients to perform their business sales as well as stock movement and accountings

**Project Name: Yarra Warehouse**

**play store link:** <https://play.google.com/store/apps/details?id=com.esque.yarawarehouse>

- The App allows the pre sellers to map customers as well as put pre-orders to the system.
- Use MSSQL as its main Database and SQLITE for Offline capabilities
- Use of Firebase for crash analytics
- Analyzed cross-platform requirements for feasibility in Android.
- Integrated with different libraries as well as Payment API's



### **3. COMPANY: SELF EMPLOYED**

**Lead Android Engineer**

**08/2013-08/2014**

**Main technologies:** PHP, Android, Flutter, MySQL

**Project Name: Beba App(TAXI service App)**

**playstore link:** <https://play.google.com/store/apps/details?id=com.techkip.bebadriver>

**playstore link:** <https://play.google.com/store/apps/details?id=com.techkip.bebarider>

- Developed, supported, maintained, and ported the Android TAXI App.
- Use Firebase as its main Database
- Developed the website for the Admin
- Enable any user register and integrate with email intent so as to allow user to apply for a job
- ADD Firebase Cloud Messaging Notifications for the app when a driver arrives as well as requesting a Taxi
- Used SMS Verification with the help of Facebook AccountKit
- Integrate with Google Maps APIs

**Project Name: DreamJobs (Job Search App)**

**playstore link:** <https://play.google.com/store/apps/details?id=com.techkip.dreamjobs>

- Developed, supported, maintained, and ported the Android Dreamjobs Application.
- Use MySQL as its Database

**Project Name: FoodieTap**

**playstore link:** <https://play.google.com/store/apps/details?id=com.techkip.foodietap>

- The App is for online food delivery .
- Use MySQL as its Database

**Project Name: HouseGet**

**playstore link:** <https://play.google.com/store/apps/details?id=com.techkip.houseget>

- Developed, supported, maintained, and ported the Android HouseGet Application.
- Use MySQL as its Database
- App is used for landlords to upload their rental house users can view and book for occupations

**Project Name: Covergent**

**playstore link:** <https://play.google.com/store/apps/details?id=com.hkip.covergent>

- Built up and lead Covergent Android team.
- Architected and built Android application for phone and tablet.
- Analyzed cross-platform requirements for feasibility in Android.
- Setup build process including Git,
- Integrate with the website

- Use of MySQL as Database

**Project Name: Tuconnect**

**Google playstore link:** <https://play.google.com/store/apps/details?id=com.hkip.tuconnect>

- Architected and built Tuconnect Android application for phone, tablet, and watch.
- Setup build process including Git, JUnit tests.
- Integrated 3rd party libraries including ActionBarSherlock, and Volley.

## LEADERSHIP EXPERIENCE

- **Andela Learning Community (ALC)** , 10/20017-5/2018  
Android Development Instructor (Nakuru)
- **Jomo Kenyatta University of Agriculture and Technology (Nakuru)** 2014-2017  
ICT Club vice Chair / Android and Java based desktop application programmer,
- **Kenya Industrial Training Institute** 2016-2017  
Programmer Volunteer
- **Devfest Nakuru 2015 Hackathons** 2016  
Egerton University /Team Leader

## \_SKILLS

- **General:** Leadership, project management, product management, strategy.
- **Specialties:** User Interface Design, UX Design, App Development, Computational Vision/AI, Chatbots
- **High Level Languages:** Java ME/EE/SE, C#, Android.
- **Basic Languages:** Python, HTML and CSS, Kotlin, Flutter.
- **Database Technologies:** MSSQL, MySQL, SQLite, Firebase.
- **IDEs:** Android Studio, Eclipse, Visual Studio, NetBeans, IntelliJ,.
- **Text Editors:** Atom, Sublime, Notepad.
- **Graphic Editors:** Adobe Photoshop, GIMP.
- **Version Control Systems:** git, SVN.

## \_EDUCATION

**Institute of Advanced Technology**

05/2021-

present Oracle Database Certified

**Institute of Advanced Technology**

01/2018-

04/2018 Certificate in Computer Programming ()

**Jomo Kenyatta University of Agriculture and Technology**

2013-2017

B.Sc. in Information Technology (2<sup>nd</sup> Class Honours)

**Kilibwoni High School**

2010-2013

Kenya Certificate of Secondary Education

## **HONORS AND AWARDS**

**Jomo Kenyatta University of Agriculture and Technology**

2014-2017

Assistant Chairperson JKUAT ICT club

## **ADDITIONAL INFORMATION**

- **GOOGLE PLAYSTORE PROJECT ACCOUNTS:**
- **PERSONAL:**  
<https://play.google.com/store/apps/dev?id=5396640207997518913>
- **PROTO ENERGY:**  
<https://play.google.com/store/apps/dev?id=5286894069201932662>
- **ESQUE KENYA:**  
<https://play.google.com/store/apps/dev?id=8444111457925278551>
- **QUICK SWAP :**  
<https://play.google.com/store/apps/dev?id=6336531812934248119>
- **LinkedIn account:**  
<https://linkedin.com/in/hillarie-kip/>



