

## Employment

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**Fullstack Developer, Consultant**                      **Agnostech Innovations**                      **Jun 2019 - Jul 2021**

- Designed and built end-to-end platforms from scratch using latest open source frameworks.
- **XBSL:**
  - Modded the native Flutter video player (**chewie**) to enable implementation of video playlists and to allow pop up quizzes on given timestamps
  - Provided support for video-conferencing in Flutter using **Agora's RTC Engine**.
- **PiXL:**
  - Automated calculation of minimum grade requirement per subject per student for more than **1400** rural schools in Tanzania to reach academic goals
  - Simplified the process of student grade tracking for faculty using responsive Flutter tables and **Hasura's websocket channels**
  - Implemented an in-app customizable calendar to enable students/teachers to setup office hours
- **MSA:**
  - Implemented a feature rich and responsive form to enable recipients of **MSA(mutualité sociale agricole)** benefits to file claims with the institution in case of problems.
  - Provided support for French and English speaking users using Flutter localizations
- **Framez:**
  - Optimized image fetching in a photography competition app using **cloudinary cdn** for faster load times for photo submissions
  - Programmed location based payment gateway to support payment from USA and India
- **Cell Propulsion:**
  - Improved location logging for a commercial vehicle fleet management system, by using **Google Cloud Services** and efficient caching strategy in case of a network loss.

**Android Developer, Intern**                      **Stupidsid**                      **Jun 2017 – Jul 2017**

- Revamped the **Study Resources** app that provided study materials to more than **100k** students to aid their academic performance

## Technical Projects

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- **Pacando** (2021): Prototyped and pitched a fantasy football app that enabled users to leverage their knowledge in football for reward at WHU School of Management's (Germany) **3 Day Startup Bootcamp(3DS)**
- **Chest X-Ray Detection** (2019): Designed and implemented a model that detected diseases on a Chest X-Ray image with an accuracy of **73%** for 4 diseases
- **Companion** (2016-2019): Revamped and enhanced existing college portal to make the management of courses, attendance and travel concessions easier for administration, faculty and **2000+** students

## Technical Skills

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- **Languages:** Dart; Scala; Java; C; C++; SQL; JavaScript; Python
- **Technologies:** Flutter; Node.js; Flask; Heroku; Hasura; Visual Studio; Android Studio; XCode;
- **Certifications:** Google Certified Associate Android Developer

## Education

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- M.S in Computer Science, May 2023. GPA: 4.0
- B.E in Computer Engineering May 2019. GPA: 8.15