# Developer Tools

|  |  |
| --- | --- |
| Category | Tool/Framework/Language |
| Version Control | GitLab/Git |
| Issue Tracker | Trello |
| CI/CD | GitLab |
| Android App | Java |
| Website App | Java with Spring MVC on Amazon Elastic Beanstalk with Tomcat |
| Web-API | Apache CFX with Java on Amazon Elastic Beanstalk with Tomcat |
| Vendor API Importer | Java on AWS Lambda |
| Database | MySQL (or Aurora) on AWS RDS |
| IDEs | IntelliJ  Android Studio |
| Developer OS on Virtual Machine (or VDI) | Linux |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Website | Android App | Web API | Vendor Scraper/ API Reader |
| Version Control | GitLab/Git | | | |
| Issue Tracker | Trello | | | |
| CI/CD | GitLab | | | |
| Language | Java/HTML/JavaScript | Java | Java | Java |
| Platform | Spring MVC on Amazon Elastic Beanstalk with Tomcat | Android Native App | Apache CFX on Amazon Elastic Beanstalk with Tomcat | AWS Lambda |
| Database | MySQL (or Aurora) on AWS RDS | | | |
| IDEs | IntelliJ | Android Studio | IntelliJ | IntelliJ |
| Developer OS on Virtual Machine (or VDI) | Linux | | | |

# Third Party Libraries

|  |  |
| --- | --- |
| Library | Purpose and Description |
| 3Dorfi | 3D model generation from images  Useful for making the 3d models  Java library? We don’t know enough about this as to whether we can take code from this and use it |
| Java 3D | Manipulation for 3D objects in java |
| AliceVision | 3d photogrammetry library that can reconstruct 3d models from images  <https://github.com/alicevision/AliceVision>  downside is it is written in C++ |
| OpenCV | Stands for Open Computer Vision  May have java support  Does 3d model generation and measurement of objects as well as other functions |
| Sumerian | Amazon solution for 3d modeling in the browser. Might be something to look at for replacement candidate for rendering |
| Avis Web API | API for pulling data about Avis rentals into Load.IN |
| Budget Website | Website for a scrapper to pull in rental information |
| U-Haul Website | Website for a scrapper to pull in rental information |
| Penske Website | Website for a scrapper to pull in rental information |