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|  | | **항목** | **설명** | **설치 및 실행방법** | **비고** |
| **개발환경** | | OS | Windows 10 |  |  |
| Linux - Ubuntu20.04 |  | EC2 생성시 Ubuntu선택 |
| 개발언어 | HTML, CSS, Javascript, JAVA |  |  |
| 사용 프레임워크 | React, SpringBoot |  |  |
| 테스트 도구 | RTL(react-testing-library) | <https://testing-library.com/docs/react-testing-library/intro/> |  |
| 빌드 도구 | Gradle 2.6.4 | <빌드시 dependecy선택> Spring Dev Tools, Spring Web, Lombok, Spring Data JDBC, Spring Data JPA |  |
| JDK | JDK 8, 11 | <https://www.oracle.com/java/technologies/downloads/> | 환경변수 설정 |
| Node | Node.js 16.14.0 | <https://nodejs.org/ko/> |  |
| IDE | VSCode | <https://code.visualstudio.com/> |  |
| Intelli J | <https://www.jetbrains.com/ko-kr/idea/download/#section=windows> |  |
| RDBMS | MySQL 8.0 | <https://dev.mysql.com/downloads/file/?id=508936> |  |
| **배포** | **AWS** | 웹서버 | AWS S3 | <https://aws.amazon.com/ko/s3> |  |
| AWS Beanstalk | <https://aws.amazon.com/ko/elasticbeanstalk/> | 로드밸런싱, 오토스케일링 설정 |
| 클라우드 서버 | AWS EC2 | <https://aws.amazon.com/ko/ec2/> |  |
| CDN 서비스 | AWS Cloudfront | <https://aws.amazon.com/ko/cloudfront/> |  |
| **기타 배포 툴** | 자동배포 솔루션 | Jenkins | <https://www.jenkins.io/doc/book/installing/> |  |
| SCM / VCS 도구 | Git |  | [\*\*깃허브 https://github.com](https://github.com/) |
| **기타** | | SSH 클라이언트 프로그램 | MobaXterm | <https://mobaxterm.mobatek.net/download.html> |  |
| 기타 도구 | Docker |  | [\*\*도커허브 https://hub.docker.com/](https://hub.docker.com/) |