* **Languages and frameworks.**

**1. Python**

* **Web Development**: Django, Flask, FastAPI, Pyramid
* **Machine Learning & AI**: TensorFlow, PyTorch, scikit-learn
* **Data Science**: Pandas, NumPy, Matplotlib
* **Game Development**: Pygame
* **Automation**: Selenium, Scrapy

**2. JavaScript**

* **Frontend Frameworks**: React, Angular, Vue.js, Svelte
* **Backend Frameworks**: Node.js, Express.js, NestJS, Meteor
* **Mobile Development**: React Native, Ionic, NativeScript
* **Full Stack Frameworks**: Next.js, Nuxt.js

**3. Java**

* **Web Development**: Spring, Spring Boot, Struts, JavaServer Faces (JSF)
* **Mobile Development**: Android SDK
* **Enterprise Applications**: Hibernate, JBoss, Vaadin
* **Game Development**: libGDX, jMonkeyEngine

**4. C#**

* **Game Development**: Unity, MonoGame, Godot
* **Web Development**: ASP.NET Core, Blazor
* **Desktop Applications**: WPF, Windows Forms
* **Mobile Development**: Xamarin, .NET MAUI

**5. PHP**

* **Web Development**: Laravel, Symfony, CodeIgniter, CakePHP, Yii
* **Content Management Systems**: WordPress, Joomla, Drupal

**6. Ruby**

* **Web Development**: Ruby on Rails, Sinatra, Hanami

**7. C++**

* **Game Development**: Unreal Engine, CryEngine, Cocos2d-x
* **GUI Development**: Qt, wxWidgets
* **High-Performance Applications**: Boost, POCO C++ Libraries

**8. Kotlin**

* **Mobile Development**: Android SDK (native Kotlin support)
* **Web Development**: Ktor, Spring Boot
* **Cross-Platform Development**: Kotlin Multiplatform

**9. Swift**

* **Mobile Development**: iOS SDK (native support for Apple devices)
* **Web Development**: Vapor, Perfect, Kitura

**10. Go (Golang)**

* **Web Development**: Gin, Echo, Beego, Fiber
* **Microservices**: Go-Kit, Micro
* **API Development**: KrakenD

**11. Rust**

* **Web Development**: Rocket, Actix-Web, Warp
* **Game Development**: Amethyst, Bevy
* **Systems Programming**: Tokio, Async-std

**12. R**

* **Data Science**: Shiny, ggplot2, dplyr
* **Machine Learning**: caret, mlr3

**13. TypeScript**

* **Frontend Frameworks**: Angular, Vue.js, Svelte (used with JavaScript frameworks)
* **Backend Frameworks**: NestJS, LoopBack

**14. Dart**

* **Mobile Development**: Flutter
* **Web Development**: Aqueduct, Shelf

**15. Scala**

* **Web Development**: Play Framework, Scalatra
* **Big Data**: Apache Spark (written in Scala)

**16. Perl**

* **Web Development**: Dancer, Catalyst, Mojolicious
* **Text Processing**: Perl itself excels without additional frameworks.

**17. SQL**

* **Database Management**: MySQL, PostgreSQL, SQLite, SQL Server
* **Big Data**: Apache Hive, Presto

**18. Shell Scripting (Bash, etc.)**

* **Automation & System Management**: No frameworks; relies on tools like cron, awk, sed.