| **Programming Language** | **Popular Application** | **Common Uses** |
| --- | --- | --- |
| Python | Netflix's recommendation system | AI, machine learning, automation, backend dev |
| JavaScript | YouTube front-end | Interactive web interfaces, front-end websites |
| Java | Amazon mobile shopping app | Android apps, enterprise software |
| C# | Unity 3D games (e.g., Monument Valley) | Game dev, Windows apps, cloud-based apps |
| Swift | iPhone apps like Uber or Airbnb | iOS/macOS app development |
|  |  |  |

**Example of Business Software**

**Example:** Shopping Centre Pay Machine

**Purpose:**  
Based on how long a car has been parked, this gadget determines and collects parking rates in parking lots and retail centres. Customers can pay for parking automatically without the assistance of an attendant, and it accepts cash, credit/debit cards, and mobile payments.

**Programming Languages Used:**

* • Java: Due to its portability and resilience, Java is frequently used to manage the user interface and transaction logic.   
  Because of its efficiency and performance, C++ is used for low-level hardware interactions, including working with payment terminals, barcode scanners, and card readers.  
  • Python: Occasionally utilised on the back end for data processing, server connectivity, and database or cloud service integration.   
    
  • SQL: Used to manage databases that hold client information, vehicle entry and exit times, and transaction records.
* .

**Developed By:**  
Specialised businesses in the parking and payment sector, such Parkeon, TIBA Parking Systems, and SKIDATA, frequently create these systems. These businesses supply the software and technology for automated parking payment systems used all around the world.

**References**

Oracle. (n.d.). Java technology overview. Oracle. <https://www.oracle.com/java/>

Parkeon. (n.d.). Parking solutions. Retrieved June 2025, from <https://www.parkeon.com/>

Python Software Foundation. (n.d.). About Python. <https://www.python.org/about/>

SKIDATA. (n.d.). Access solutions. Retrieved June 2025, from <https://www.skidata.com/>

TIBA Parking Systems. (n.d.). Smart parking technology. Retrieved June 2025, from <https://www.tibaparking.com/>

The ISO C++ Foundation. (n.d.). About C++. <https://isocpp.org/>

Microsoft. (n.d.). SQL Server documentation. Retrieved June 2025, from <https://docs.microsoft.com/en-us/sql/>