tech stack and architecture of successful e-commerce platforms helps in identifying best practices and potential pitfalls.

Frontend Technologies :

Language :

- HTML
- CSS
- Javascript

Frame work :

- React.js
- Angular.JS

Technologies :

- PWA (PROGRESSIVE WEB APPS)

Backened Technologies :

Language :

- python
- Java
- Node.js

Frameworks:

- Django
- Express.js

Architecture :

- Microservices

Databases

Relational Databases:

- MySQL
- Oracle Database

NoSQL Databases:

- DynamoDB
- MongoDB

Data stores:

- ElastiCache (Redis)

Big Data & Analytics :

1. Data Processing:
   - Hadoop
2. data streaming & warehousing:
   - Redshift

3. Machine Learning:

   - Apache MXNet

DevOps Tools:

CI/CD:

   - GitLab CI/CD

Containerization:

   - Docker

Monitoring and Logging:

   - Grafana
   - Stack

Cloud Infrastructure :

   - Platform:
     - AWS
   - Infrastructure as Code:
     - Terraform

Security:

   - KMS
   - ACM
   - Identity and Access Management (IAM)

E-commerce Platform:

   - Custom solutions
   - Third-party integrations

Customer Experience :

   - Chatbots
   - virtual assistants

Search & Recommendations :

   - Elasticsearch
   - custom algorithms

Content Delivery :

- CloudFront
- Fastly
- Cloudflare

Serverless Computing :

- AWS Lambda
- Google Cloud Functions

APIs & Integration :

- API Gateway