 Roadmap

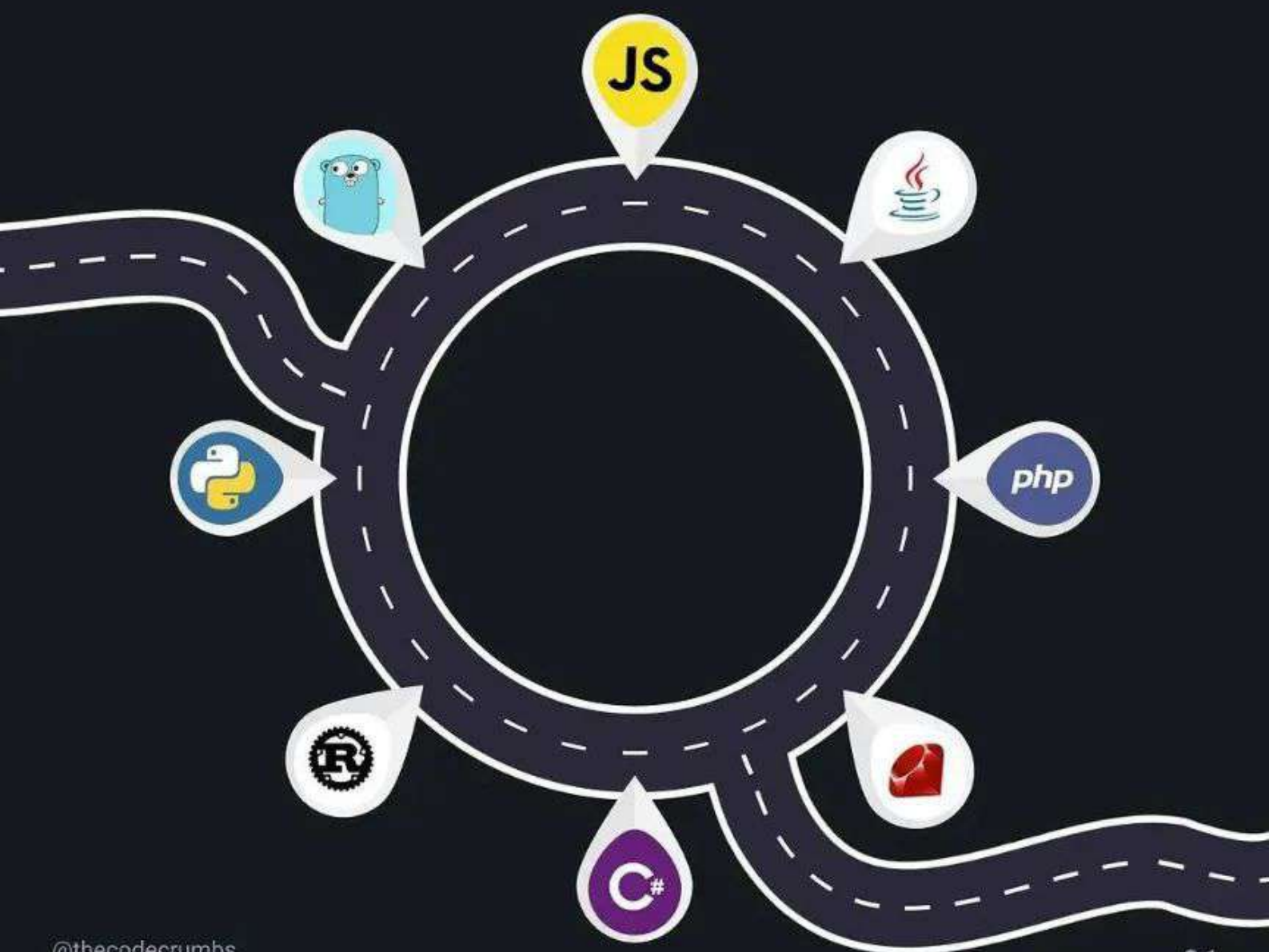


Roadmap for **Backend Developers**

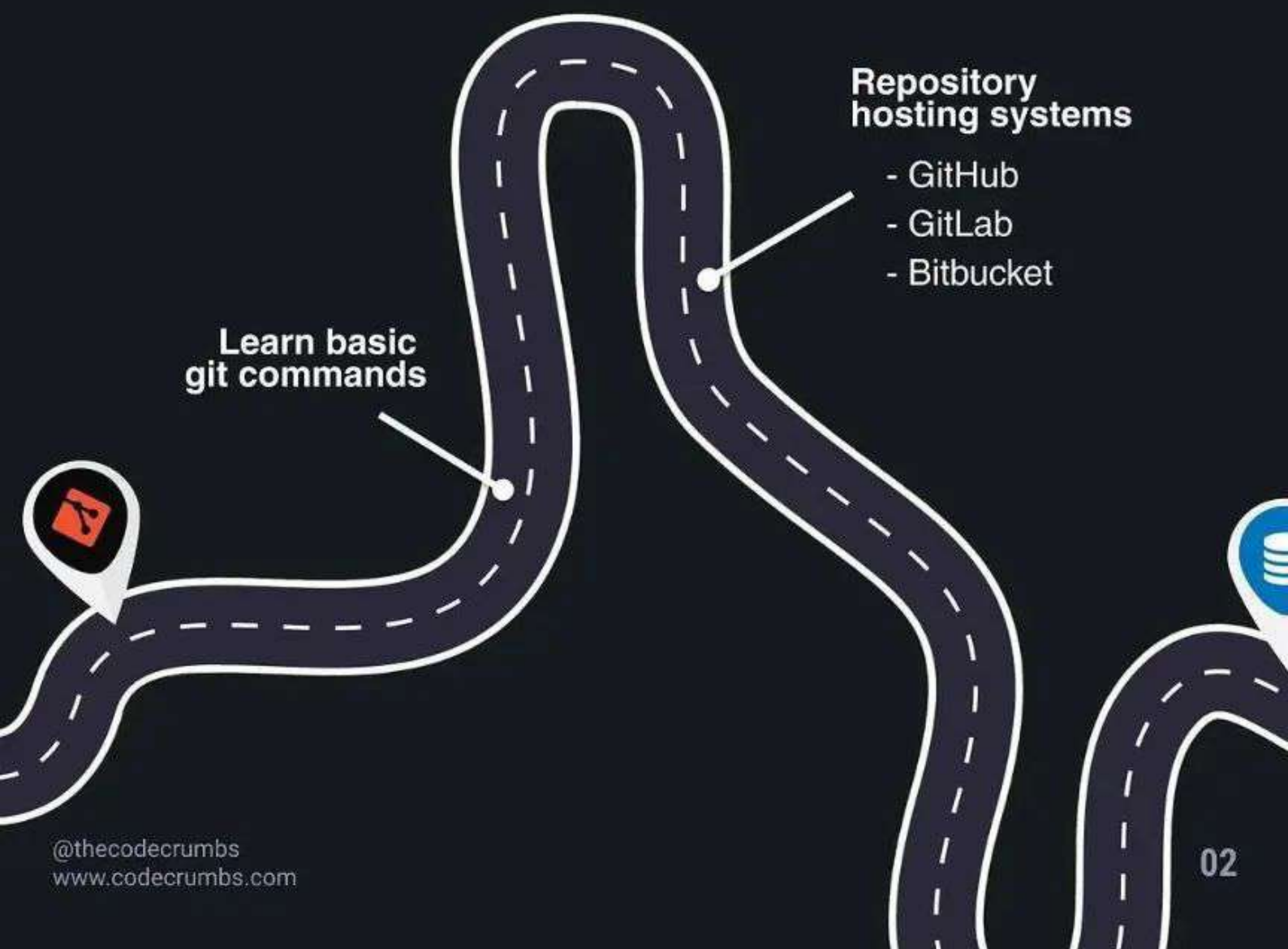
@thecodecrumbs
www.codecrumbs.com

Swipe

Pick A Language



Version Control & Repo Hosting



Learn basic
git commands

Repository
hosting systems

- GitHub
- GitLab
- Bitbucket

Databases

Relational Databases

- PostgreSQL
- MySQL
- MariaDB
- MS SQL
- Oracle

NoSQL Databases

- MongoDB
- RethinkDB
- CouchDB
- Dynamo DB

More About Databases

- ORMs
- ACID
- Transactions
- N+1 Problem
- Database Normalization
- Indexes

(optional)
Data Replication

(optional)
Sharding Strategies

(optional)
CAP Theorem

Application Program Interface (API)

Authentication

- OAuth
- Basic Authentication
- Token Authentication
- JWT

REST

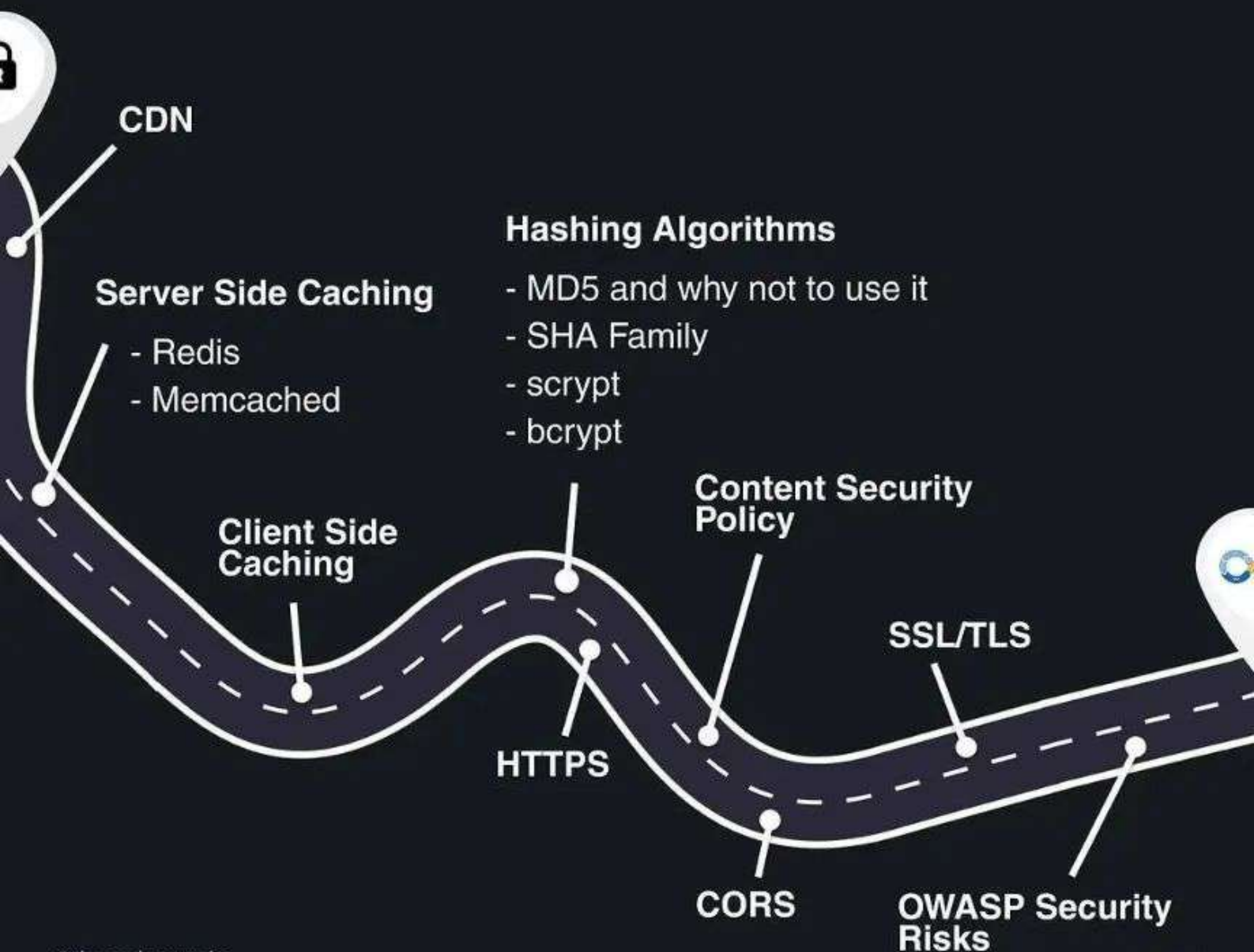
JSON APIs

(optional)
Open API Spec
and Swagger

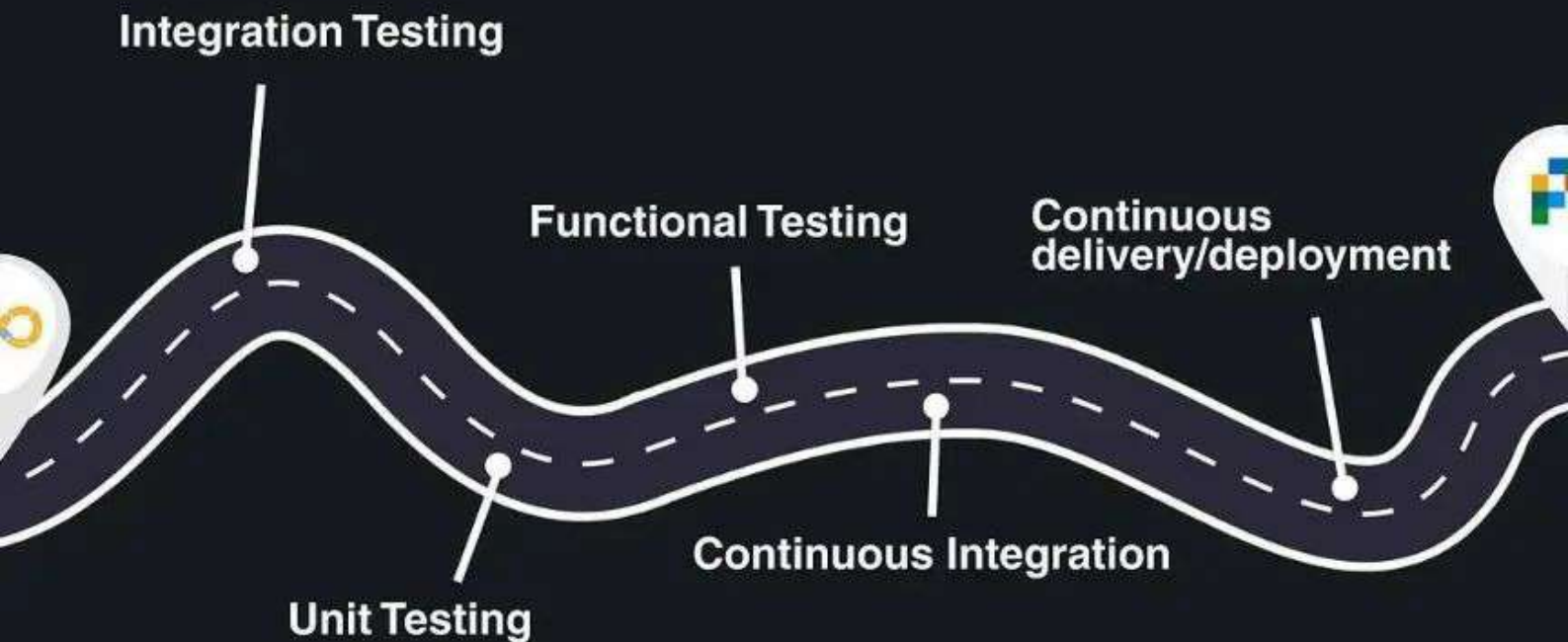
(optional)
HATEOAS

(optional)
SOAP

Web Security & Caching



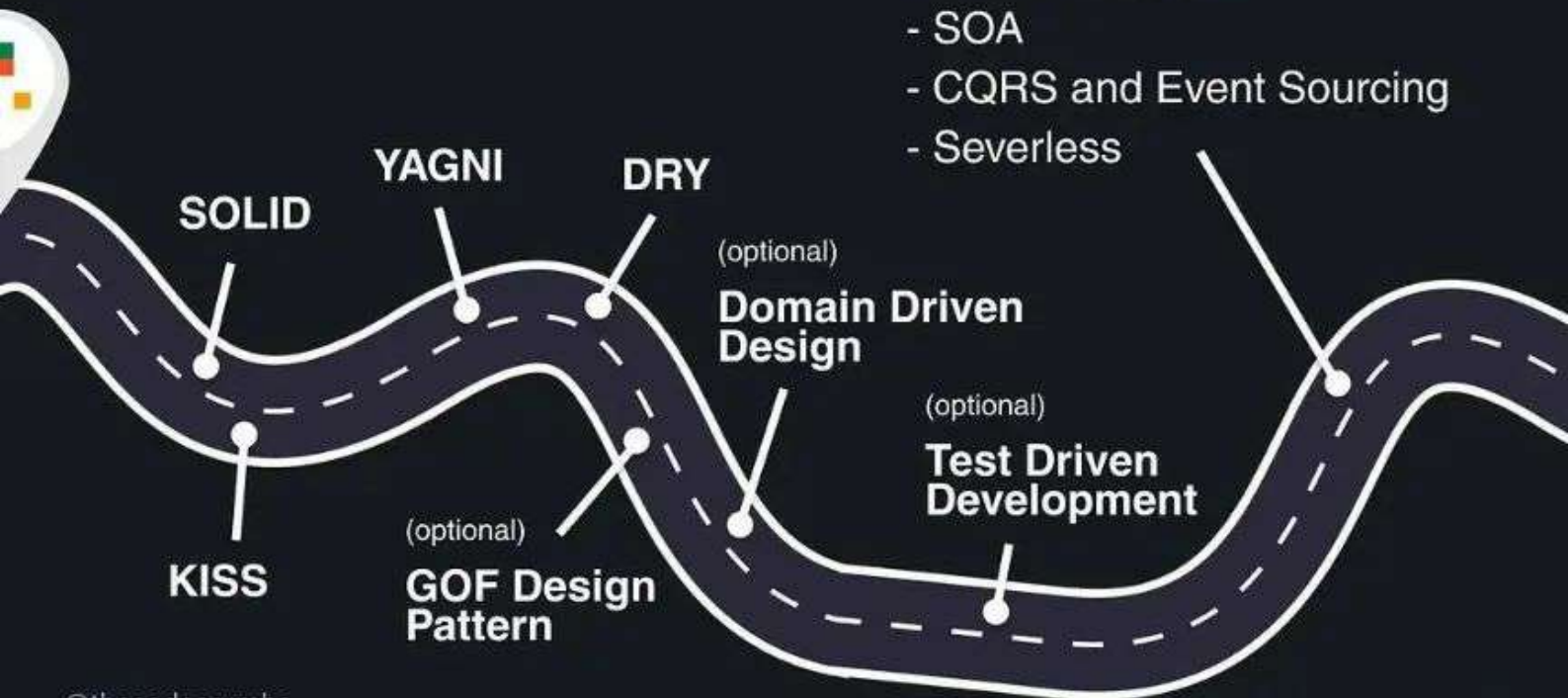
Testing & CI/CD



Development & Design Principles

Architectural Patterns

- Monolithic Apps
- Microservices
- SOA
- CQRS and Event Sourcing
- Serverless



Search Engines

