

Cloud Design Patterns (DevOps Cheat Sheet)

- **Foundational**

- Stateless Services
- Immutable Infrastructure
- IaC

- **Reliability & Scalability**

- Auto-Scaling
- Queue-Based Load Leveling
- Rate Limiting
- Multi-Region Deployment

- **Resilience**

- Circuit Breaker
- Retry with Backoff
- Bulkhead Isolation
- Health Monitoring

- **Data Management**

- Event Sourcing
- CQRS
- Sharding/Partitioning
- Cache-Aside

- **Security**

- Zero Trust
- Least Privilege
- Secrets Management
- Encryption Everywhere

- **Deployment**

- Blue-Green
- Canary
- Rolling
- Shadow