Site Reliability Engineering (SRE) is a discipline and a role that incorporates aspects of software engineering and applies them to infrastructure and operations problems to create ultra scalable and highly reliable distributed software systems.

**Observability, Monitoring, Telemetry, and Instrumentation**

**Continuous Integration (CI)**
- Backlog & Design
- Code & Test
- Commit & Merge
- Build & Test

**Continuous Delivery / Deployment (CD)**
- SAT & UAT
- Approve Release
- Deploy to Prod
- Post-Prod Tests

**Plan**
- Work Technical Debt in Small Increments
- Manage Load % for Ops, Dev and On-Call Work

**Pipeline**
- Work Sharing
- Deployments
- Performance Management
- Incident Management

**Toil Reduction**
- Reduce Non-Value Add Work using Tooling and Automation

**SLAs/SLOs/SLIs**
- Metrics such as Availability, Latency, and Response Time with Error Budgets

**Measurements**
- Observability, Monitoring, Telemetry, and Instrumentation

**Anti-Fragility**
- Improve Resilience using Fire Drills, Chaos Monkey, Security and Automation

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