Building Cloud Native Applications

4 Sessions

7th Feb - Cloud Platforms

14th Feb - DevOps

28th Feb - Uptime

21st March - Continuous Improvement

Hello!

I AM ED SHEE

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RELEVANT FACTORS TODAY

- Dependencies

- Concurrency

- Disposability

- Config

Securing Applications

On Cloud Foundry

Platform Security

- Penetration testing

- Identification, authentication, and authorization

- Information and data protection

- Service integrity and availability

- Vulnerability and fix management

- Denial of service and systematic attacks detection

- Security incident response

Application Security

- The code you write

- Dependencies

- Public endpoints

- Application communications

- User authentication

- SSL Certificates and domains

- Suspicious account activity (grey area)

Cloud Platforms (PaaS) is easy but not the only way to do things...

Bare Metal

Maximum performance and control

Virtual Server or VMware

Leverage existing languages and tools

Containers

Maximum portability

Cloud Foundry

Open PaaS environment

OpenWhisk

Maximum speed with serviceless apps

← **PERFORMANCE & CONTROL** | **PORTABILITY** | **DEVELOPMENT SPEED** →

Kubernetes

The most popular container orchestrator

Intelligent Scheduling

Self-healing

Horizontal scaling

Service discovery & load balancing

Automated rollouts and rollbacks
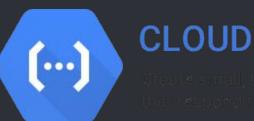
Secret and configuration management

Severless

The highest level of abstraction

Automatic Scaling

Serverless backends expand and contract with demand. Go get on the front page of HackerNews, we dare you.

Provider Agnostic

Build, test and deploy cloud functions to any provider. Skip the setup; deploy your function right now.

Rapid deployment

Serverless cuts weeks off development cycles. Don't spend time provisioning unused infrastructure.

Workshop - Securing dependencies and tracing microservices

https://github.com/edshee/cndworkshops

Thanks!

ANY QUESTIONS?

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