

# Kickstarting the Kubernetes & Cloud Native Bootcamp!

*Week -4*



**Speaker: Naman Vyas**



**Topic: Cloud Native Observability**

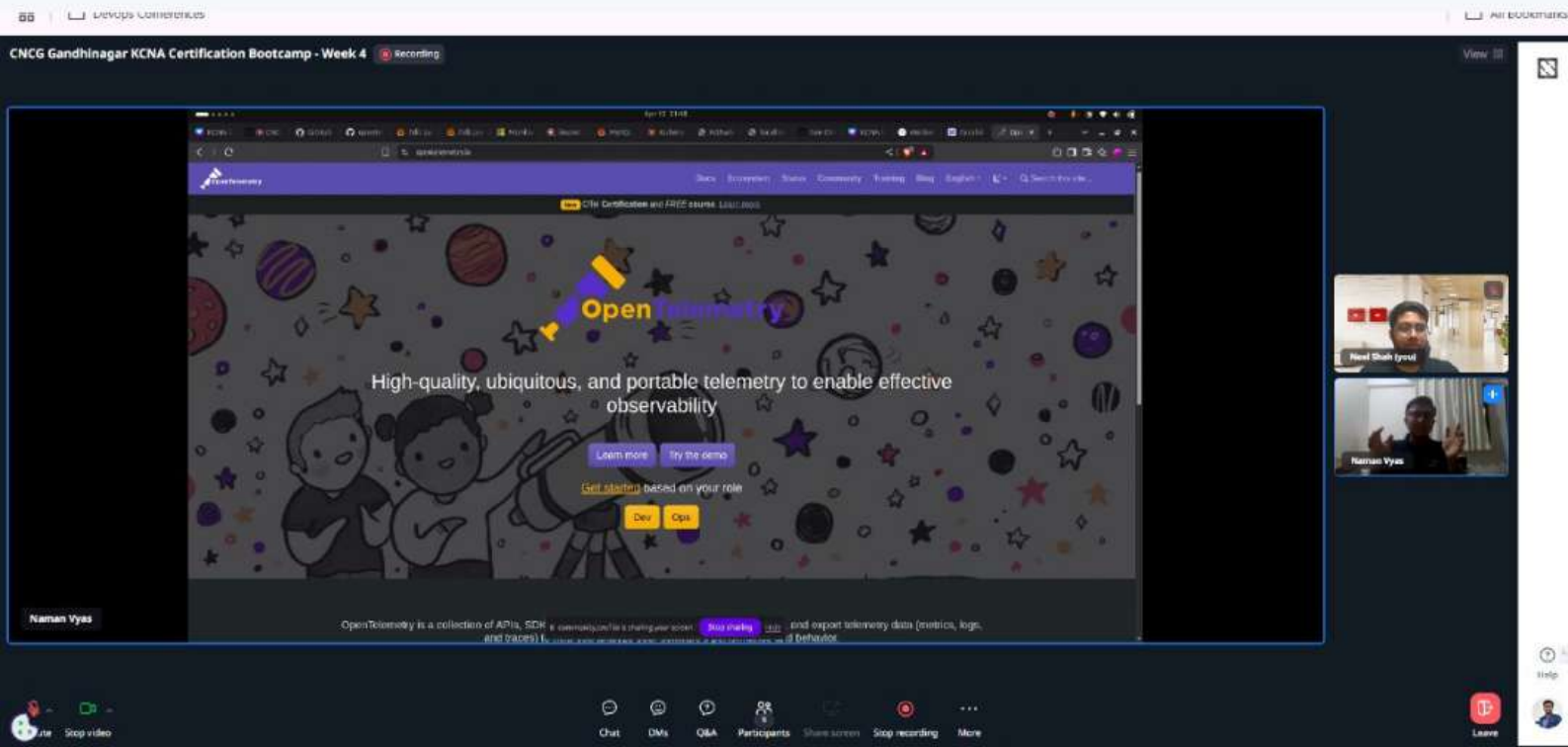
**🔥 4 Weeks Down, Final Week Ahead! 🔥**

We're almost at the finish line of our 5-week Cloud-Native Bootcamp, and Week 4 was all about unlocking the power of Cloud Native Observability!

- ✅ **Week 1:** Kubernetes Fundamentals
- ✅ **Week 2:** Container Orchestration
- ✅ **Week 3:** Cloud Native Architecture
- ✅ **Week 4:** Cloud Native Observability – Completed!

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## What We Covered 🔍



### WEEK 4 – CLOUD NATIVE OBSERVABILITY

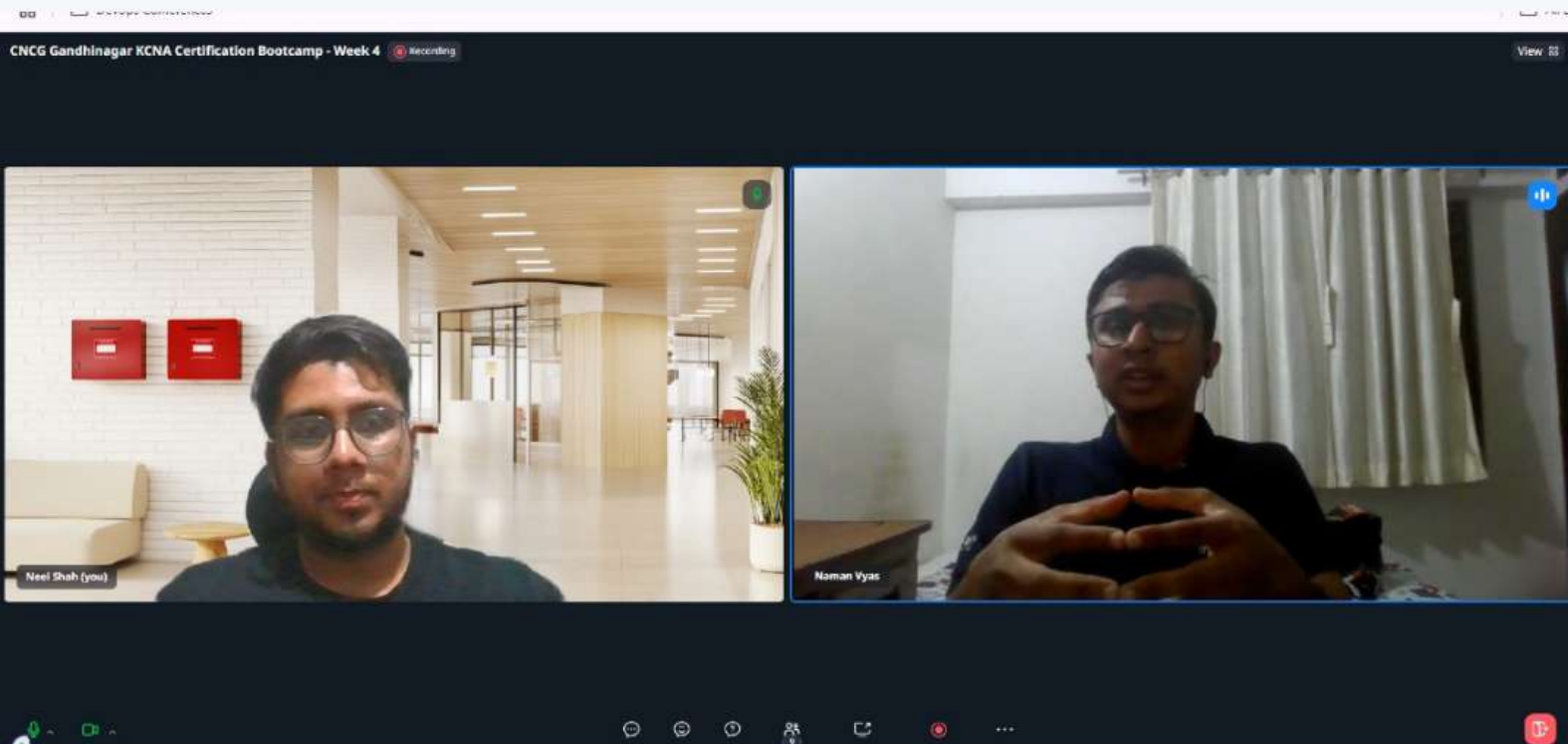
In this session, we explored:

- ◆ Metrics, Logs & Traces – the core pillars of observability
- ◆ Tools like Prometheus, Grafana, and OpenTelemetry
- ◆ Real-world strategies for monitoring Kubernetes workloads
- ◆ Why observability is critical to building reliable cloud-native systems

💬 It was a hands-on, info-packed weekend that helped participants gain clarity and confidence in managing complex cloud-native environments.

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## What We Covered 🔍



### 👥 Learning Together, Growing Together!

- From Kubernetes basics to cloud-native observability, our community has been on an incredible journey over the last 4 weeks! 🌐💡
- Active Q&A
- Hands-on sessions
- Meaningful connections
- Real growth

Whether you're a beginner or brushing up your skills — this bootcamp has been a collective effort of learning, sharing, and leveling up together. 💡💡


📸 Swipe through for highlights and behind-the-scenes moments from Week 4!

Let's bring the same energy to our final week – Cloud Native Application Delivery! 🔥

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## Key Takeaways from the Session

 **OBSERVABILITY = MORE THAN JUST MONITORING**  
**WE EXPLORED HOW METRICS, LOGS, AND TRACES COME TOGETHER TO PROVIDE DEEP VISIBILITY INTO CLOUD-NATIVE SYSTEMS.**

### **TOOLS WE COVERED:**

- Prometheus for metrics
- Grafana for dashboards
- OpenTelemetry for unified observability
- Jaeger for tracing

### **WE LEARNED HOW TO:**

- Monitor Kubernetes workloads in real time
- Set up alerting and visual dashboards
- Detect and resolve performance bottlenecks
- Build more resilient, debuggable, and transparent systems

 **“YOU CAN’T FIX WHAT YOU CAN’T SEE” – A CORE MINDSET IN MODERN DEVOPS PRACTICES!**

## What's next??

### **WEEK 5 CLOUD NATIVE APPLICATION DELIVERY**

 **DATE: APRIL 19, 2025**



Topics to explore:

- CI/CD pipelines for cloud-native apps
- GitOps workflows
- Automating delivery with tools like ArgoCD & Flux
- Deployment strategies: Canary, Blue/Green, Rolling Updates



It's our final week – time to bring everything together and learn how cloud-native apps move from code to production with confidence!

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