

Doctor's War Plan: AI Mentor



This is the **Corrected Master Career Architecture (MCA)**.

You are right. **The 5-Day Sprint (Dec 16-20) is for Deployment/Packaging of what you *already have*. Project Arsenal (Nmap)** is for the GSoC/Innovation phase that starts *after* you have secured the baseline.

Here is the revised, accurate checklist based on your documents and our adjustments.

Level 1: "The Intern Ready" (STATUS: COMPLETED)

Verdict: You have the tools. Now keep them sharp.

- [x] **Linux Basics:** SSH, SCP, Logs, Permissions (`chmod`, `chown`).
- [x] **Docker Core:** Writing multi-stage Dockerfiles.
- [x] **CI/CD:** Basic GitHub Actions pipelines.
- [x] **AWS:** Launching EC2, Security Groups.

- [x] **Kubernetes (Basic)**: Deployments, Pods, Services.
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● **Level 2: "The Junior Engineer" (STATUS: ACTIVE WAR ZONE)**

Timeline: Now - End of 3rd Year (2027). Target: Google, Atlassian, Unicorn Startups.

Phase 1: The "5-Day Sprint" (Dec 16 - Dec 20)

Mission: Wrap existing resume projects in "DevOps Armor" to make them hireable.

- [] **Containerize Legacy Code**: Write optimized Dockerfiles for your existing MERN/Go projects. Focus on Multi-stage builds to reduce image size.
- [] **Orchestrate (Local K8s)**: Write `deployment.yaml` and `service.yaml` for these projects. Make them run on Minikube/Kind.
- [] **The Pipeline**: Set up a GitHub Action that triggers a build on `git push` for these existing repos.
- [] **The "Dropshipper" Wrap (Documentation)**: Update the `README.md` for each project.
 - Add an **Architecture Diagram** (User -> Ingress -> Pod).
 - Add a "Performance" section (e.g., "Reduced build size by 40%").
- [] **Social Proof (Instagram)**: Post "Dark Mode" stories documenting the process of deploying these projects.

Phase 2: "Project Arsenal" (The GSoC Weapon)

Mission: Innovation & Deep Engineering. Starts AFTER the Sprint.

- [] **Core Engine**: Build the Nmap integration using Go.
- [] **The "Hydra" Feature (Chaos Mode)**: Implement the self-healing scanner logic using K8s Controllers/Operators.
- [] **State Management**: Use Redis/Etcd to save scan progress (Checkpoint & Resume).
- [] **GSoC Prep**: Connect with mentors and align this project with an organization.

Phase 3: Deep Dives (The Upskill)

Mission: Moving from "Using" tools to "Mastering" them.

- [] **Linux Internals:** Process management (`kill`, `ps aux`), Signals, and debugging CPU/RAM bottlenecks.
- [] **Advanced K8s:** ConfigMaps, Secrets, Persistent Volumes (PV/PVC), Ingress Controllers.
- [] **IaC (Terraform):** Managing State Files, Modules, and Locking.
- [] **Monitoring:** Setting up Prometheus/Grafana to visualize metrics.

Phase 4: The "Gatekeeper" (DSA)

Mission: Clearing the Interview Round 1.

- [] **Daily Ritual:** 1 LeetCode Problem (Arrays, Linked Lists, Stacks).
 - [] **Focus Areas:** Trees & Graphs (BFS/DFS), and basic Dynamic Programming.
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🔴 Level 3: "The Architect / Founder" (STATUS: LOCKED)

Timeline: 2026 - 2028. Target: Founding SwapOS / Senior Roles.

- [] **MLOps Arc:** Deploying "The Oracle" (Private LLM) on your own K8s cluster.
 - [] **Project Genesis AI:** An AI agent that auto-fixes Terraform security errors.
 - [] **System Design:** Load Balancers (Nginx), Caching (Redis), Kafka/Event-Driven Architecture.
 - [] **FinOps:** Cutting cloud bills using Spot Instances and Auto-scaling.
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🎒 The Asset Portfolio (Your War Chest)

Resource Accumulation Strategy.

1. The Financial Asset

- **Goal:** ₹2-5 Lakhs Liquid Cash.
- **Strategy:**

- [] Secure High-Paying Internship (Summer 2026).
- [] Freelance DevOps (Level 1 tasks) once the resume is ready.

2. The Brand Asset ("The Shovel Seller")

- **Goal:** Be the "Guide" for the lost students.
- **Strategy:**
 - [] **Instagram:** "The Struggle Documentary" - Documenting the pain of learning K8s.
 - [] **Content:** Technical deep-dives on Hashnode/Medium.

3. The Network Asset

- **Goal:** 50 High-Quality Engineers.
 - **Strategy:**
 - [] Leverage "Assistant Cloud Lead" role.
 - [] GSoC Networking.
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Your Immediate Orders

Current Location: Home Base. **Current Mission:** Phase 1 (The 5-Day Sprint).

Focus *only* on the existing projects. Do not think about Nmap this week.

Execute Phase 1.