



THE MASTER PLAN: FROM PARAMEDIC TO CLOUD AI ARCHITECT

Duration: 24 Weeks (6 Months)

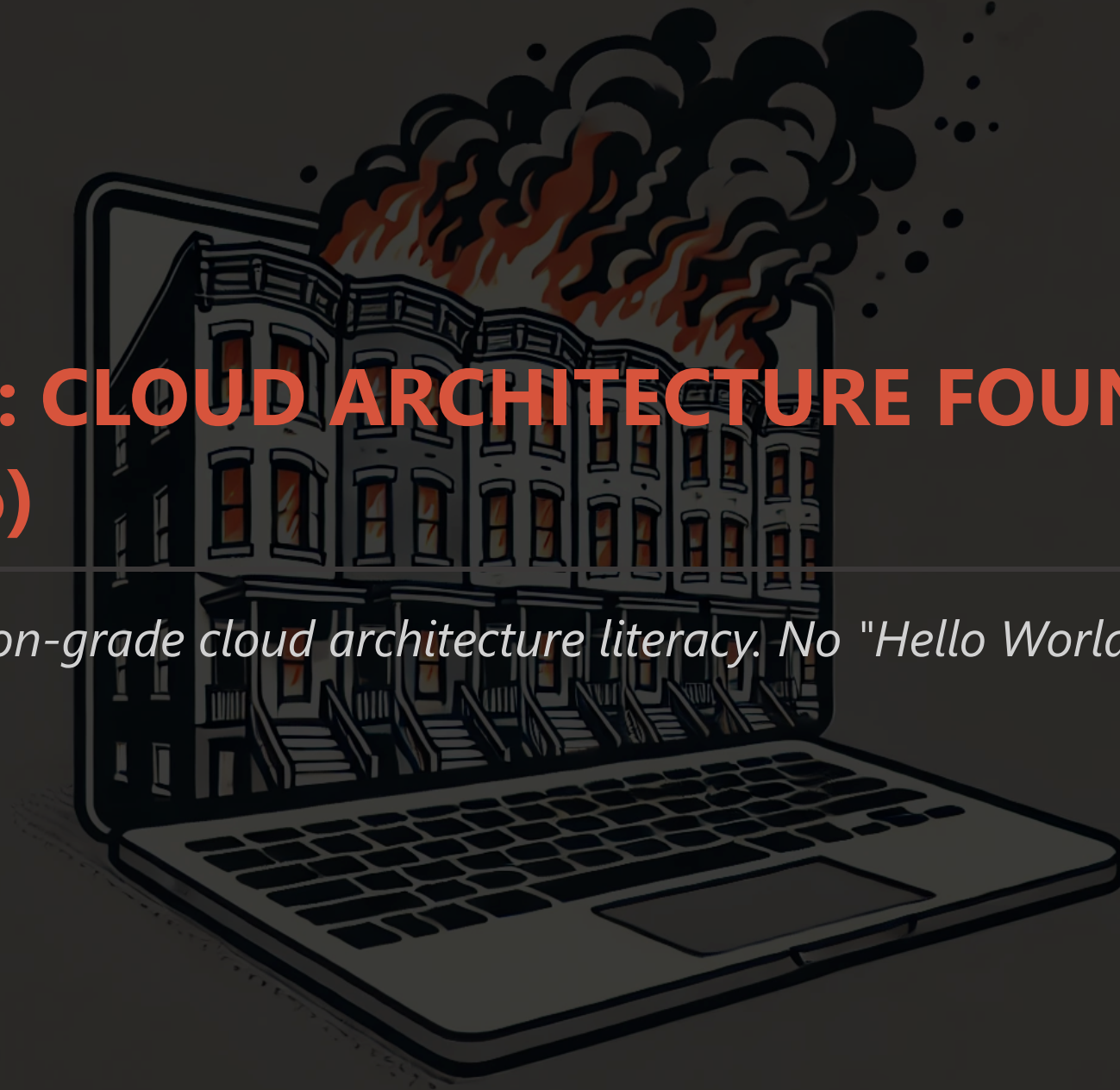
Goal: Position as a "Cloud & AI Systems Architect" specializing in Secure, Mission-Critical Infrastructure.

Core Philosophy: Systems-First, Security-by-Design, Infrastructure as Code.



PHASE 1: CLOUD ARCHITECTURE FOUNDATION (WEEKS 1–6)

Goal: Build production-grade cloud architecture literacy. No "Hello World" tutorials—only enterprise patterns.



WEEK 1: AWS CORE ARCHITECTURE + NETWORKING (✅ IN PROGRESS)

Concept: VPC design, CIDR planning, Subnet segmentation, NAT/IGW.

Lab: Rewrite a VPC Python script into a native Bash script using `aws-cli` (Python to Bash Migration).



An illustration of a laptop computer. The screen shows a row of multi-story brick townhouses. The townhouses are on fire, with thick black smoke billowing from the roofs and windows. The laptop is open, and the keyboard and trackpad are visible. The background is dark gray with vertical stripes.

WEEK 2: LINUX PERMISSIONS & SECURITY AUDITING

Concept: Least Privilege, Role-Based Access Control (RBAC), auditing `/var/log`.

Lab: Use the terminal to audit a Linux EC2 instance (search for failed login attempts).

An illustration of a laptop computer. On the screen, there is a drawing of a multi-story building, possibly a townhouse or apartment building, which is on fire. Thick black smoke is billowing from the top of the building, and orange flames are visible. The laptop is open, and the keyboard and trackpad are visible. The background is dark gray with vertical stripes.

WEEKS 3-4: NETWORKING FUNDAMENTALS (SAA-C03 CORE)

Concept: CIDR Block math, Route Tables, Internet Gateway flow.

Lab: Manually build a multi-AZ VPC via the CLI.

A stylized illustration of a laptop computer. The screen shows a row of multi-story brick buildings, similar to row houses. The buildings are on fire, with thick black smoke billowing from the tops and orange flames visible in the windows. The laptop is open, and the keyboard and trackpad are visible. The background is a dark gray with vertical stripes.

WEEK 5: OBSERVABILITY + INCIDENT RESPONSE

Concept: CloudWatch, Structured Logging, Metrics, Alarms.

Lab: Build an automated "Watchdog" that detects server failures and triggers alerts.

WEEK 6: PHASE 1 CAPSTONE — THE PRODUCTION WEB PLATFORM

Project: Integrate Weeks 1–5 into a single deployable stack.

Deliverable: A secure, load-balanced web application with full logging and database backend.



An illustration of a laptop computer. On the screen, there is a drawing of a multi-story building, possibly a row of townhouses, with thick black smoke and orange flames rising from the roof, suggesting a fire. The laptop is open, and the keyboard and trackpad are visible.

PHASE 2: SECURE ARCHITECTURE DESIGN (WEEKS 5–10)

Goal: Master the "Design Secure Architectures" domain of the SAA-C03.

An illustration of a laptop computer. On the screen, there is a drawing of a multi-story brick building, possibly a townhouse or apartment building. The building is on fire, with large, billowing black smoke and orange flames rising from the roof and windows. The laptop is open, and the keyboard and trackpad are visible. The background is dark grey with vertical stripes.

WEEKS 5-7: IDENTITY & ACCESS MANAGEMENT (IAM)

Concept: Least Privilege, IAM Roles vs Users, JSON Policies.

Lab: Build a "Least Privilege" environment (EC2 read-only S3 access).

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WEEKS 8-10: DATA PROTECTION (KMS & ENCRYPTION)

Concept: Encryption at Rest, KMS Key rotation, Private Subnet RDS.

Lab: Implement "Encryption at Rest" for Patient Data.



PHASE 3: RESILIENCE & SAA-C03 BLITZ (WEEKS 11–16)

Goal: Pass the Certification and understand "High Availability."



An illustration of a laptop computer. On the laptop screen, there is a detailed drawing of a multi-story brick building with many windows. From the top of the building, thick black smoke is billowing out, with orange and yellow flames visible at the base of the smoke. The laptop is open, and the keyboard and trackpad are visible. The background is dark with vertical stripes.

WEEKS 11-13: HIGH AVAILABILITY (LOAD BALANCING & AUTO-SCALING)

Concept: ALB, ASG, Failure Domains.

Lab: Deploy a self-healing web fleet that replaces broken servers automatically.



WEEKS 14-16: CERTIFICATION PREP

Activity: Intensive Practice Exams (Tutorials Dojo/Stephane Maarek).

Focus: Scenario Questions, Scoring 80%+ consistently.



PHASE 4: INFRASTRUCTURE AS CODE & PORTFOLIO (WEEKS 17–24)

Goal: Prove you can do the "Junior Puzzle Piece" work.



WEEKS 17-20: AWS CDK & PYTHON AUTOMATION

Concept: CDK Stacks, Modularization (Network vs Security Stack).

Lab: Convert your manual builds into Python CDK Stacks.

An illustration of a laptop computer. On its screen is a detailed drawing of a multi-story brick building, possibly a row of townhouses, which is engulfed in flames and thick black smoke. The laptop is open, and the keyboard and trackpad are visible. The entire scene is set against a dark, textured background.

WEEKS 21-22: MONITORING & INCIDENT RESPONSE

Concept: CloudWatch Alarms, VPC Flow Logs analysis.

Lab: Set up infrastructure alarms and email alerts for DB failures.

An illustration of a laptop computer. On the screen, there is a drawing of a multi-story brick building, possibly a warehouse or factory, with thick black smoke billowing from its roof and windows. The laptop is open, and the keyboard is visible. The background is dark with some faint, abstract shapes.

WEEKS 23-24: THE "FINAL MIGRATION" PROJECT

Activity: Document a "Legacy to Cloud" migration for a medical distributor.

Deliverable: GitHub Repo with CDK code, README, and Architecture Diagrams.

A stylized illustration of a laptop. The screen displays a multi-story city building with many windows. From the top of the building, thick black smoke billows out, with orange and yellow flames visible at the base of the smoke. The laptop is open, and the keyboard and trackpad are visible. The background is dark with vertical stripes.

YOUR BRANDING STRATEGY

"I don't just build clouds; I build safe, compliant, and resilient systems for critical environments."

You are not a Junior Developer.

You are a Cloud Systems Architect with a background in High-Stakes Operations.