

BOOTCAMP SYLLABUS: THE AI-FIRST SECURITY ARCHITECT

Accelerated Cloud Governance & Automated SecOps for 2026

COURSE OVERVIEW

- **Duration:** 2-Day Intensive (B2B) | 4-Week Cohort (B2C)
 - **Instruction:** Led by **Kay Stephen, MBA** (AWS Lead Architect)
 - **Core Outcome:** Transition from manual security toil to AI-Augmented Engineering.
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MODULE 1: THE AI-TRIAGE ENGINE (Vulnerability Ops)

Automating the "Backlog" with Qualys + Claude 3.5

- **The Framework:** Transitioning from "List-Based" to "Risk-Based" vulnerability management.
 - **The Tech Stack:** Connecting Qualys API to LLM Orchestration (Python/Claude).
 - **Hands-on Lab:** Building a custom "Context-Aware" triage bot that scores risks based on your specific AWS architecture.
 -  **Deliverable: The ZironSec Triage Script** (Reduces 40 hours of analysis to 45 minutes).
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MODULE 2: IDENTITY GOVERNANCE & ZERO TRUST (IAM)

Scaling Okta & AWS IAM without the Headcount

- **The Framework:** Identity as the New Perimeter in 2026.
 - **The Tech Stack:** Okta Workflows, API-driven Lifecycle Management (JML), and AWS IAM Analyzer.
 - **Hands-on Lab:** Using Cursor AI to write "Secure-by-Design" IAM policies and automated offboarding triggers.
 -  **Deliverable: The Zero-Trust Policy Kit** (Automated least-privilege suggestions).
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🟡 MODULE 3: INFRASTRUCTURE AS CODE (IaC) SECURITY

Self-Healing AWS Environments with Terraform & AI

- **The Framework:** "Shift-Left" Security — Stopping breaches at the Pull Request.
 - **The Tech Stack:** Terraform, AWS CIS Benchmarks, and AI-Powered Code Scanning.
 - **Hands-on Lab:** Implementing a "Secure-by-Default" Landing Zone using AI to refactor legacy, unencrypted S3 and RDS instances.
 - 🏆 **Deliverable: The .cursorrules Master Config** (Forces your AI to only write compliant code).
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🔴 MODULE 4: THE STRATEGIC ARCHITECT (MBA Pillar)

Communicating Risk, ROI, and Compliance to the Board

- **The Framework:** Translating "CVEs" into "Dollars at Risk."
 - **The Tech Stack:** Automated Compliance Dashboards (SOC 2 / FedRAMP) and AI-generated Executive Briefs.
 - **Hands-on Lab:** Building an ROI Calculator for your security program to justify budget and headcount.
 - 🏆 **Deliverable: The Board-Ready Executive Reporting Template.**
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🏆 THE ZIRONSEC PROMISE

"We don't just teach theory. Every student/team leaves with a private GitHub repository containing the actual Python scripts, Terraform modules, and AI Prompt libraries used during the course."

💰 TUITION & REGISTRATION

- **Individual Mentorship:** \$2,500 per seat (*Limited to 5 per cohort*)
 - **Corporate Bootcamp:** Starts at \$12,500 (*Up to 10 engineers*)
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