Accuknox Assignment

[1] Cloud Posture Dashboard: Design a simple way for users to view and filter misconfigurations across multiple cloud accounts.

Key Actors Involved

Primary Actor -Cloud Security Engineer / SecOps Engineer
they deal with cloud security posture in day to day work and are responsible for identifying and prioritizing misconfigurations across multiple cloud accounts.

Secondary Actors - DevOps / Platform Engineers ,Security Manager / CISO,Compliance / Risk Teams

User Segement I have focused on–

Cloud Security Engineers / SecOps professionals working in mid to large enterprises, typically with more than 2 years of experience. They manage security posture across multiple cloud accounts (AWS, Azure, GCP) and review a high volume of misconfiguration findings daily. While existing dashboards label severity, lack of contextual and priority-driven insights makes it difficult for them to quickly identify which misconfigurations pose real business risk and should be addressed first.

What is the True Problem

Cloud security engineers struggle to act on cloud misconfigurations because dashboards show *what* is wrong, but not *what truly matters first*. **Many issues are labeled high or critical, yet lack context like exposure, environment, or business impact.** As a result, engineers spend more time manually prioritizing and correlating data across accounts than fixing real risks, leading to alert fatigue, delayed remediation, and higher chance of missing critical security issues.

User Persona

Ravi Sharma, 32 ,Cloud Security Engineer (SecOps)
“Everything is marked critical, but I still don’t know what I should fix first.”

He is working at a large enterprise managing multiple AWS and GCP accounts. He is responsible for monitoring cloud misconfigurations, He relies on cloud posture and security dashboards daily to assess risk and coordinate fixes with DevOps teams.

Pain Points

- Too many misconfigurations flagged as high or critical
- Dashboards show issues but lack context (exposure, environment, impact)
- Spends significant time manually prioritizing instead of fixing issue

Goals

- Quickly identify misconfigurations that pose real business risk
- Reduce alert fatigue and cognitive overload

- Confidently prioritize issues and justify decisions to stakeholders

JTBD

When I'm reviewing cloud security findings across multiple accounts and environments,
but dashboards show hundreds of misconfigurations without clear context or prioritization,
help me understand which issues truly matter and why,
so I can act quickly, reduce real risk, and avoid missing critical security threats.