



Sovan Sundar Sen

IAM SECURITY ANALYST · ASSISTANT SOFTWARE ENGINEER

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“Identity is the foundation of trust, and trust is the foundation of security.”

Summary

CEH-certified Identity and Access Management professional with proven expertise in access governance, privileged access management (PAM), and identity governance administration (IGA) solutions. Demonstrated experience implementing role-based access control (RBAC), managing enterprise IAM systems for 5,000+ users and different client all over the globe, and developing automated security monitoring solutions. Strong background in policy enforcement, access certifications, and compliance with industry standards including SOX, GDPR, and NIST frameworks.

Experience

Centrox Solutions PVT LTD

Bhubaneswar

IAM ANALYST

Oct.-2024 - Present

- Established and executed access governance programs and policies for enterprise identity providers (Keycloak, Gluu Server, WSO2).
- Defined and enforced access control policies including role-based access control (RBAC) and policy-based access controls (PBAC).
- Ensured access adherence to principle of least privilege and segregation of duties (SoD) across organizational infrastructure.
- Developed automated security monitoring scripts for real-time detection of identity-based attacks and privilege escalation activities.
- Configured security event logging and alerting mechanisms for identity federation protocols (SAML 2.0, OAuth 2.0, OpenID Connect)
- Conducted forensic analysis of authentication failures and provided technical expertise for security investigations.
- Monitored and analyzed authentication logs to identify suspicious login patterns and potential security threats.
- Implemented multi-factor authentication bypass detection and adaptive authentication monitoring.
- Created incident response playbooks for identity-related security events and threat hunting activities.

Education

Dhaneswar Rath Institute of Engineering and Medical Studies

Cuttack, Odisha

BACHELOR OF COMPUTER SCIENCE

Oct 2020 - May 2024

- Specialization in Computer Science and Engineering with focus on cybersecurity and network security
- Developed foundation in Python, Java, C++, and scripting technologies for system automation

Mount Litera Zee School

Jajpur Road, Odisha

INTERMEDIATE

Apr 2018 - Mar 2020

- Major in Computer Science and Mathematics with emphasis on analytical thinking and problem-solving
- Strong academic performance in Advanced Mathematics, Physics, and Computer Programming fundamentals

St. Xavier's High School

Jajpur Road, Odisha

SCHOOLING

Apr 2006 - Apr 2018

- Major in Science and Mathematics with strong foundation in scientific methodology
- Actively participated in science fairs and mathematics olympiads, developing problem-solving skills

Projects

Gluu Server Log Cleanup Script

GitHub: [svn23/Gluu-Server-Log-Cleanup-Script](#)

SECURITY LOG MANAGEMENT & SIEM

January 2025

- Developed automated log retention solution for enterprise authentication systems, ensuring compliance with security policies
- Created automated scheduling system for daily log cleanup operations, reducing storage overhead while maintaining audit trails

Linux Resource Monitor & Email Alert System

GitHub: [svn23/resource-monitor](#)

SECURITY MONITORING & THREAT DETECTION

June 2025

- Built system monitoring solution with real-time alerting for detecting anomalous resource usage patterns
- Designed automated incident notification system with configurable thresholds for rapid security response

Remote Code Execution (RCE) Bot

GitHub: [svn23/python_rce](#)

RED TEAM SIMULATION & SECURITY TESTING

March 2025

- Developed red team simulation tool for testing blue team detection capabilities in controlled environments
- Implemented attack vectors and post-exploitation techniques to assess organizational security posture

Key Accomplishments

IDENTITY ACCESS & GOVERNANCE IMPLEMENTATION

- **Enterprise IAM Deployment:** Successfully deployed IAM solutions for **5,000+ users**, reducing helpdesk tickets by **40%**
- **Access Certification Program:** Automated user provisioning workflows, decreasing account creation time from **2 hours to 15 minutes**
- **Policy Enforcement:** Developed **12+ custom automation scripts**, improving system integration efficiency by **60%**

SECURITY OPERATIONS & COMPLIANCE

- **Vulnerability Management:** Identified and remediated **200+ critical vulnerabilities** through comprehensive security assessments
- **Incident Response:** Reduced incident response time by **50%** through automated threat detection and policy enforcement
- **Compliance Achievement:** Implemented MFA systems, increasing security compliance from **60% to 95%**

PROCESS AUTOMATION & DOCUMENTATION

- **IAM Process Optimization:** Optimized identity synchronization processes, reducing data inconsistencies by **80%**
- **Project Delivery:** Delivered **8+ IAM project implementations** on time with **4.8/5** stakeholder satisfaction rating
- **Security Posture:** Maintained **zero successful security breaches** through proactive access governance and monitoring

Technical Skills

IDENTITY & ACCESS MANAGEMENT

- **Identity Governance & Administration (IGA)** Solutions, *Access Recertification & Periodic Reviews*
- **Privileged Access Management (PAM), Role-Based Access Control (RBAC) & Policy-Based Access Controls (PBAC)**

IAM TECHNOLOGIES & PROTOCOLS

- Enterprise Identity Providers (**Keycloak, Gluu Server, WSO2**), Federation Protocols (**SAML 2.0, OAuth 2.0, OpenID Connect**)
- **Multi-Factor Authentication (MFA), Single Sign-On (SSO) & Access Certification Programs**

SECURITY & COMPLIANCE

- *Access Governance Programs, Compliance Standards (NIST, SOX, GDPR, PCI DSS) & Risk Assessment Frameworks*
- **Security Monitoring, Incident Response, Vulnerability Assessment & Regulatory Compliance Documentation**

AUTOMATION & SCRIPTING

- **Python, Java, C++, Jython** Scripting, *API Integration (REST/SOAP) & Database Management*
- *Automated Policy Enforcement, System Integration, Log Analysis & Security Event Correlation*

Certificates

2023-2026	Certified Ethical Hacker , Ec-Council	<i>Self-Paced</i>
2023	Cyber Security Expert , Simplilearn	<i>Online</i>
2025	WSO2 V7 Identity Server Developer , WSO2	<i>Online</i>
2024	Full Stack Developer , QSpiders	<i>Bhbaneswar</i>
2023	Python Core and Advanced , Edufabrica	<i>IIT Bhbaneswar</i>

Achievements

AWARDS AND HONORS

- 2018 **Best Head Boy**, Awarded as best Head Boy at our School.
- 2018 **Best Leader**, Awarded as Best Scout Leader on 15th August Parade
- 2022 **Finalist**, Got 1st prize at our college Hackathon.
- 2023 **Best Organizer**, Awarded as Best Fest Organizer during my college days.

Extracurricular Activity

- Gain expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks perform Pentest, configure firewalls and IDS/IPS over local computer on VMWARE.
- I love to explore new places, meet new people, take photographs and making memories.
- Always Inquisitive and curious hence I spent my time in troubleshooting and changing the default's to know what will the result.
- Gain knowledge on cybersecurity news, tips and tricks of computer software and hardware.
- Gain Knowledge over space, time travel and physics.