

## KHALID HUSSAIN

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### Professional Summary:

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*IAM Consultant specializing in designing, implementing, and supporting enterprise Identity & Access Management solutions across identity governance and access management domains. Strong hands-on expertise in SailPoint IdentityIQ, One Identity Manager, Okta, and PingFederate, with deep experience in Joiner–Mover–Leaver (JML) lifecycle, access certifications, RBAC, and provisioning workflows.*

*Proven track record of implementing SSO and federated authentication using SAML, OAuth 2.0, and OpenID Connect, integrating IAM platforms with Active Directory, LDAP, HR sources, databases, and SaaS applications. Highly skilled in customizing SailPoint IIQ workflows, rules, policies, forms, and certifications, and troubleshooting complex authentication and authorization flows using tools such as Postman and SAML tracers.*

*Adept at collaborating with security, infrastructure, and application teams to deliver secure, scalable IAM solutions that enforce least privilege, meet compliance requirements, and improve user experience across complex enterprise environments.*

### Technical Skills:

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**Identity & Access Management Platforms:** *SailPoint IdentityIQ, One Identity Manager, PingFederate, Okta*

**Directory Services:** *Active Directory (AD), LDAP*

**Federation & Security Protocols:** *SAML 2.0, OAuth 2.0, OpenID Connect (OIDC), SCIM*

**Cloud Identity & Access Management:** *SailPoint IDN, Okta, One Identity OnDemand, Entra ID, AWS IAM*

**Integrations & Connected Systems:** *Active Directory, LDAP, ServiceNow, Salesforce, SAP, PeopleSoft, JDBC & Web Services–based applications*

**IAM Automation & Scripting:** *Bean Shell (SailPoint), PowerShell, Python, Shell Scripting, REST APIs*

**Scripting & Automation:** *PowerShell, Python, Shell Scripting, REST APIs for IAM automation.*

**Monitoring & Troubleshooting Tools:** *SAML Tracer, Postman, Log analysis, and authentication flow troubleshooting*

**Web Technologies:** *HTML, XML, React.js, SOAP, REST*

**ITSM & Collaboration Tools:** *ServiceNow, Jira*

### Professional Experience

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**IAM Consultant**

**May 2025 – Present**

**Smpl ID**

**EMEA Region**

- *Design, implement, and support enterprise Identity Governance and Administration (IGA) solutions using SailPoint IdentityIQ and One Identity Manager.*
- *Configure and customize Joiner–Mover–Leaver (JML) lifecycle processes, provisioning workflows, and access request mechanisms.*
- *Develop and modify SailPoint IIQ workflows, rules, policies, and certifications to align with business and security requirements.*
- *Onboard and integrate applications using Active Directory, LDAP, JDBC, flat files, and SaaS connectors, enabling automated provisioning and de-provisioning.*
- *Support RBAC implementations, role configuration, and entitlement modeling to enforce least privilege access.*
- *Perform identity aggregation, correlation, and reconciliation, resolving data inconsistencies across connected systems.*
- *Integrate PingFederate with IAM solutions to support federated SSO using SAML and OAuth-based authentication.*

- Participate in requirements gathering, solution design discussions, and documentation for IAM implementations.
- Troubleshoot provisioning failures, access issues, and workflow errors across Dev, QA, UAT, and Production environments

### **Identity and Access Management Intern**

**Dec 2024 – May 2025**

#### **AskMeIdentity**

Remote, India

- Assisted in configuring and supporting SSO and federated authentication using Okta and PingFederate across enterprise and cloud applications.
- Worked with SAML 2.0, OAuth 2.0, and OpenID Connect (OIDC) to integrate applications and validate authentication flows.
- Supported MFA configurations, user authentication policies, and access issue resolution for internal and external applications.
- Performed authentication troubleshooting using tools such as Postman and SAML Tracer, analyzing assertions, tokens, and protocol flows.
- Assisted in testing and validating identity integrations during UAT and pre-production deployments.
- Collaborated with senior IAM consultants to understand access management best practices and client requirements.

### **Frontend Engineer**

**Aug 2023 – Dec 2024**

#### **Techalphalogix**

Gilgit, Pakistan

- Built responsive web applications using React.js, Next.js, and TypeScript, ensured cross-browser compatibility, and improved team efficiency through Git-based version control and Agile practices

### **Cyber Security Intern**

**Jun 2024 – Sep 2024**

#### **Bytewise Limited**

Remote, Pakistan

- Completed Cybersecurity training, analyzed phishing threats, and used Wireshark for network analysis to strengthen security protocols and enhance threat detection

### **Junior Frontend Developer**

**Apr 2021 – Jul 2023**

#### **Webloop Pk**

Rawalpindi, Pakistan

- Developed reusable components for responsive web applications and led a team in WordPress theme customization and SEO, improving website performance and user engagement

### **Online Courses**

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- SailPoint Identity Security Leader - SailPoint University
- Fundamentals of Non-Human Identity Management -NHI Academy
- Advanced IAM Engineer and Security Fundamentals - Askmeidentity
- SailPoint IIQ Training - Cloud Foundation
- Introduction to PingFederate - PingIdentity
- Identity and Access Management (IAM) - Packt
- SailPoint Identityiiq Training - Academy by Connecting Dots
- Identity and Access Management: ForgeRock OpenIDM - Udemy
- Foundation: Sailpoint Training - Sailpoint University

### **Projects**

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#### **Project 1: SailPoint IdentityIQ – Enterprise IGA & RBAC Implementation**

**Tools:** SailPoint IdentityIQ 7.x–8.x, Active Directory, Azure AD, JDBC, REST, BeanShell

- Implemented end-to-end Identity Governance and Administration (IGA) using SailPoint IdentityIQ across Dev, QA, UAT, and Production environments.

- *Designed and enforced Role-Based Access Control (RBAC), including role modeling, entitlement mapping, birthright access, and role-based provisioning approvals.*
- *Integrated IdentityIQ with Active Directory and Azure AD to support Joiner–Mover–Leaver lifecycle automation and access remediation.*
- *Developed custom Build Map, Creation, Correlation, and LCM rules to automate account provisioning, updates, terminations, and rehires.*
- *Customized and extended OOTB workflows to support multi-level approvals, exception handling, and policy-driven access requests.*
- *Executed access certifications and SoD policy enforcement, supporting audit and compliance requirements (SOX, PCI).*
- *Onboarded applications using AD, LDAP, JDBC, Flat File, REST, and Web Services connectors, ensuring reliable identity aggregation and governance.*

### **Project 2: IdentityNow – Cloud Identity Governance**

**Tools:** *SailPoint IdentityNow, SCIM, REST APIs, Workday, Salesforce, ServiceNow*

- *Implemented cloud-based identity governance using SailPoint IdentityNow for workforce identities.*
- *Configured authoritative and non-authoritative sources, aggregations, and identity profiles for accurate identity correlation.*
- *Designed provisioning and de-provisioning workflows using SCIM and REST APIs to automate user lifecycle events.*
- *Enabled access request, certifications, governance groups, and password management to support compliance-driven access controls.*
- *Troubleshoot synchronization and aggregation issues, ensuring data consistency across cloud and on-prem systems.*

### **Project 3: One Identity Manager – Identity Lifecycle & Access Governance**

**Tools:** *One Identity Manager, Active Directory, SQL Server*

- *Implemented identity lifecycle management workflows for joiner, mover, and leaver scenarios using One Identity Manager.*
- *Configured business roles and IT roles, linking them to AD groups to enable role-based provisioning.*
- *Supported approval workflows, attestation processes, and policy enforcement aligned with enterprise access governance requirements.*
- *Assisted with operational tasks, role publishing, and access request enablement via the One Identity Manager web portal.*

### **Project 4: Okta – Workforce IAM & API Security**

**Tools:** *Okta Workforce Identity, Okta API Access Management, Salesforce, ServiceNow*

- *Configured Single Sign-On (SSO) and Multi-Factor Authentication (MFA) policies to secure workforce access.*

- *Implemented OAuth 2.0 and OpenID Connect (OIDC) flows using Okta Custom Authorization Servers for API protection.*
- *Integrated Okta with Salesforce and ServiceNow to centralize authentication and access control.*
- *Configured custom user attributes, group rules, and access policies to simulate real-world governance scenarios.*
- *Performed troubleshooting and simulation of Okta support scenarios to resolve authentication and authorization issues.*

#### **Project 5: PingFederate – Federation & Authentication Flows**

**Tools:** PingFederate, SAML 2.0, OAuth, OIDC, WS-Fed

- *Configured IdP and SP connections in PingFederate to enable SAML-based federation for enterprise and SaaS applications.*
- *Designed and tested custom authentication policies to strengthen access controls.*
- *Implemented OAuth and OIDC flows to secure APIs and mobile applications.*
- *Supported WS-Federation and STS-based authentication for legacy and thin-client integrations.*

#### **Education**

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**Shaheed Zulfikar Ali Bhutto Institute of Science and Technology**  
*Bachelor of Science in Computer Science*

Islamabad, Pakistan  
Sep 2019 - Jun 2023

#### **Language Proficiency**

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- *Languages: English, Urdu, Hindi*