

David Rani Pascal

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Results-driven Cybersecurity Architect with over 20 years of hands-on experience in the IAM industry. Proven track record in architecting, managing, and deploying identity management solutions, with expertise in PAM, LDAP Directories, SSO, and compliance auditing technologies. Strong leadership skills in managing cross-functional teams and driving complex initiatives.

Experience

NBCUniversal LLC Englewood Cliffs, NJ November 2013 – Present

Cybersecurity Architect, Identity and access management.

2021 – Current. Architect in the IAM strategy team, leading the PAM strategy for NBCUniversal. Assessing risks to find a suitable solution to reduce the risk of a stolen identity and lateral movement.

2017 – 2021. Worked on a Lateral Movement risk reduction project, which will significantly reduce the risk of Ransomware, Credentials harvesting, Data exfiltration, Espionage, and many other attackers' activities.

2015 – 2017. Designed and implemented CyberArk password vaulting solution in a complex environment. Worked on PoC to replace IGA & PAM tools.

2014 – 2015. Worked on architecting and implementing CA IdentityMinder IGA tool to automate the on/off boarding employees into the NBCU environment, including design, implementation and troubleshooting issues.

Architect lead in the IAM team. Responsibilities include:

- Designing a solution for the Tier0 Microsoft Azure accounts vaulting and secret management, including vaulting API secrets into CyberArk, and enforcing the rotation of the secrets only from specific location (IP Address).
- Designed and implemented CyberArk, PAM vaulting solution globally, including PSM, PSMP and AIM program. Created the entire program from scratch, including the onboarding process (manual and automation builds) and support. Including design of isolated environments, connected to the vault in a secure way. The infrastructure was designed to live in the secure enclave isolated environment to protect the sensitive secrets in CyberArk vault.
- Designed and implemented CyberArk in AWS and Azure cloud VPC.
- Designed and implemented Remediant – JITA (Just-in-time) PAM solution, to support temporary elevated access to Windows (Servers and Workstations), Linux and MacOS, when and as needed, including working with the business to determine requirements and design the entire program. As part of this project, I have developed tools (REST) to assist with the deployment and the onboarding process of the Remediant tool, to help the businesses adopting the tool.
- Designed and implemented Centrify, AD bridging and sudo (dzdo) management solution to allow UNIX and OSX authenticate and govern by the Active Directory authorization.
- Designed, implemented and maintained CA IdentityMinder, identity resources provisioning solution globally and integrate it with an in-house developed web front end interface (API). Led the IDM team, which included 8 engineers and 6 developers.

- Designed and implemented CA GovernanceMinder, governance and compliance solution to ensure compliance rules, SOD. Worked with the controllership team to configure and design the recertifications campaigns.
- Designed and implemented an in-house RESTful API layer to support PAM as service to the enterprise different businesses, including design of a front-end to reduce the dependency on a vendor or a tool.
- Designed and developed multiple tools to support the PAM tools functionality. Self-service registration portal with SAML authentication (PHP RESTful), Adding MFA to an existing application for elevation (PowerShell), Automation of registration and reporting (Python & PHP.)
- Involved actively in the designed and deployment of a replacement provisioning and governance solution – Sailpoint. Assisted in the designed migration from CA IDM to Sailpoint.
- Created (Along with 2 other architects) the global 5 years IAM roadmap for the enterprise, including strategy and tool selection. Performed POCs to evaluate and choose the most suitable toolset.
- Designed and implemented an in-house Identity Data Warehouse solution (Entitlements), including RESTful API development to consume and feed the data from multiple endpoints.
- Assisting other teams in designing and generating middleware tools to integrate and sync passwords to/from the IDM systems.
- Worked with the Access team to integrate MFA (SAML) solution to all the PAM and IDM applications.

Currently, leading the PAM team which includes 6 support engineers, 1 developer and 2 business analysts, to support, maintain and develop the PAM toolset.

CA Technologies, Inc.

Islandia, NY

November 2006 – November 2013

Senior Support Engineer IAM

Serving on the first response team to help troubleshoot customers' problems with identity and access management products, including eProvision, IdentityMinder 6.x 8.x 12.0, 12.5 12.6, SiteMinder 6.x 12.0 12.5x, CA Directory 8.x 12.0, Provisioning Server, AuthMinder 6.x (Arcot). Responsibilities include:

- Communicating directly with customers to investigate and troubleshoot issues with the CA products and acting as a liaison with development engineers to solve the problems.
- Providing 'Best in Class' technical support by creating a professional, positive experience for customers, taking ownership of issue escalations and building technical knowledge of the products to ensure the issues get solved in a timely and efficient manner.
- Supporting colleagues with their customers' issues by providing assistance as well as reviewing cases to provide feedback to help ensure that the problems are solved competently.
- Designing and delivering for CA Support colleagues training that focuses on product knowledge as well as techniques and best practices for troubleshooting and debugging.

Discovery Communications Silver Spring, MD

March, 2005 – November, 2006

Systems Integration Engineer Consultant

Worked at the Discovery Communications headquarters to implement a human resources IAM and provisioning system. Responsibilities included:

- Creating and customizing the workflow of the process of accepting users into the system.
- Building and customizing rule files using ILOG Rules.
- Querying and customizing MSSQL to configure and customize the provisioning product.

- Installing and customizing connectors for endpoints (AD, Lotus Notes, Remedy, and SAP R3.)
- Customizing the ASP-based GUI.
- Debugging the system, to find problems in the provisioning product.

Independent Consultant Rego Park, NY August, 2003 – March, 2005

Web Applications Developer

While waiting for green card and work authorization approval, worked with new and former clients around the world to develop web applications. Some projects included:

- Netip Australia. Built an eCommerce site for selling gadgets using ASP, COM, MSSQL.
- Meteor Hungary. Developed and maintained a local CRM system using VB, COM, ASP, MSSQL.
- Talents Israel. Developed and maintained projects using VB, COM, ASP, HTML, DHTML, JScript, VBScript, MSSQL.

Business Layers Rochelle Park, NJ January, 2002 – August, 2003

Systems Integration Engineer

- Worked at various global company headquarters to implement a provisioning system called eProvision™ using a three-tier client/server model that uses the latest open technologies, including LDAP directories and XML profiles.
- Customized eProvision™ to the client's needs, developing connectors that integrate eProvision™ to target systems throughout the organization. Some connectors created were SAP, BMC ControlSA, and ClearTrust (some were written in VBScript and some in Java).
- Created workflow-enabled provisioning tools provided through APIs to other applications and through the use of XML.
- Created and managed databases using SQL server and Oracle and connected these databases to the eProvision™ system.
- Developed a tool using XML COM objects that created XML installation files for the middleware connectors.
- Clients included Visa, Deutsche Bahn, Schlumberger, KPMG, Schering Plough, Motorola, Barclays, and Lloyds TSB of London.

Yediot Aharanot Tel Aviv, Israel January, 2001 – January, 2002

Web Application Developer Contractor

- Developed a new web-based in-house archive, including the user interface, of 60 years worth of articles for Israel's leading daily newspaper using ASP, Apache, Oracle, and ISAPIDLL Technologies
- Programming – Powershell, Python, C++, C#, VB, VBA, VB.NET, VBS, Java, JS, J2EE, PHP
- Containers – Docker, Kubernetes
- Authoring – HTML, DHTML
- Middleware – XML, ASP, .NET, JSON, RESTful
- Application Servers: JBoss, Weblogic, Websphere, Tomcat.
- Database – MS SQL Server, MSAccess, Oracle, DB2, Informix, MySQL, MongoDB
- Directory – iPlanet, SunOne, Novel, Active Directory, UnboundID, CA Directory
- Authentication – SAML, OAUTH, Ping Access/Federate/ID, DOU, Radius, Kerberos
- Operating Systems – Windows (all versions), Linux (Multiple flavors), MacOS.
- Other – COM+, O365, DNS, IIS, LDAP, SAP, Google Apps, JDBC, ODBC, SSL, GTM, F5

Languages

- Fluent in English and Hebrew