



Jairo Escobar

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ABOUT ME

Senior Automation & DevSecOps Engineer with 15 years of experience designing, implementing, and operating enterprise-grade automation, security, and configuration-management solutions across the financial sector, government institutions, and United Nations environments.

My professional journey began in October 2010, and since then I have continuously advanced from technical specialist to project leader, architect, and global automation expert. I have worked across Europe and Latin America, delivering mission-critical solutions for banks, public organizations, and large international agencies.

I specialize in infrastructure automation, AWX/Ansible, Kubernetes, DevSecOps, CI/CD, cloud-native operations, and enterprise security integrations such as Vault, CyberArk, and LDAP. I am highly organized, analytical, and solution-driven, with strong planning, leadership, and communication skills.

Currently working as a Automation Expert (Consultant) at UNICC, I design and deliver automation solutions built on Ansible, AWX, Kubernetes, and AI-driven workflows. I support development and operations teams with onboarding, cloud integrations, containerization, large-scale migrations, and the adoption of secure, modern DevSecOps practices.

I bring a combination of technical depth, architecture mindset, and project leadership that allows me to deliver reliable, secure, and scalable automation for complex global environments.

WORK EXPERIENCE

 **UNITED NATIONS INTERNATIONAL COMPUTING CENTRE (UNICC) – VALENCIA (REMOTE), SPAIN**
AUTOMATION EXPERT – CONSULTANT – 12/2021 – CURRENT

Responsibilities & Achievements:

- Design, development, and maintenance of large-scale automation solutions across UN infrastructure, cloud services, and the ServiceNow ecosystem.
- Creation and management of containerized environments, including Dockerization of internal tools, maintenance of custom images, and orchestration best practices.
- Development of Ansible playbooks, modular roles, and collections, including Molecule/pytest testing frameworks and CI/CD automation pipelines (GitLab, Bitbucket Pipelines).
- Administration and customization of the Atlassian Suite (Jira, Confluence, Bitbucket) to support DevOps, DevSecOps, and workflow governance.
- Contribution to DevSecOps implementation, including security automation, shift-left practices, code-quality controls, and compliance enforcement.
- Customization and extension of AWX/Tower to align with UN policies (including UNIDO standards), covering job templates, RBAC, notifications, custom APIs, and operator-based deployment.
- Development of custom Execution Environments (EE) and AWX Operator deployments on Kubernetes, integrating private registries and IaC workflows.
- Led the migration of legacy AWX to the newest version using Infrastructure as Code (IaC), Kustomize, and fully automated pipelines for configuration, resource synchronization, and operator lifecycle management.
- Automation of onboarding and exit workflows, CMDB synchronization, Azure AD/Graph API operations, cloud account lifecycle management, and certificate lifecycle automation.
- Development of FastAPI-based microservices enabling workflow orchestration, anonymization of incident data, and AI-driven incident analysis for L1/L2 teams.
- Integration of enterprise security platforms (HashiCorp Vault, CyberArk, LDAP) and secure authentication mechanisms for multi-tenant automation.
- Collaboration with cross-functional UNICC teams (Cloud, Network, Security, DevOps, Service Management), providing end-to-end automation expertise and ensuring high operational reliability.

 **KYNDRYL – KATOWICE (REMOTE), POLAND**

ADVISORY IT SECURITY SPECIALIST – BIGFIX & ANSIBLE TOWER ADMINISTRATOR – 09/2021 – 02/2024

As an Ansible Tower Administrator, I played a key role in managing, securing, and optimizing large-scale infrastructure across more than 10 countries, supporting over **20,000 endpoints** in enterprise banking environments. My responsibilities included ensuring connectivity, performing compliance health checks, applying patches, and maintaining operational reliability of endpoints.



Key Achievements:

- **Process Optimization:** Designed and implemented automation scripts with Ansible, reducing execution times from **2–5 hours to 10–15 minutes**, significantly enhancing security and compliance operations.
- **Innovative Solutions:** Built a real-time monitoring tool integrated with Ansible Tower for non-master operators, enabling rapid visibility and verification of results across Italy, Germany, Poland, and the Czech Republic.
- **Customer Recognition:** Received consecutive annual recognition from the client for exceptional contributions to endpoint security and compliance. This led to my selection to join the dedicated Ansible Tower team driving the BigFix-to-Ansible transition.
- **Major Migration:** Led the full transition from IBM BigFix to Ansible for more than **20,000 hosts**, from planning to full deployment, ensuring a smooth migration and improved overall infrastructure stability.



Core Responsibilities:

- **Project Planning:** Collaborated with architects and project teams to design and implement solutions across DEV, QA, and PROD environments.
- **Tool Deployment & Management:** Deployed, configured, and maintained Ansible Tower, IBM SFS, Minikube, Nexus, GitLab, and GitHub.
- **Automation Development:** Created Ansible playbooks, modular roles, and automated workflows to support patching, compliance, and cross-team operations.
- **Tool Integration:** Integrated Ansible Tower with external systems such as ServiceNow, Splunk, CyberArk, Networking, OpenShift, and other enterprise platforms.



Certified Leader:

- **Leadership:** Spearheaded one of the largest dedicated IBM client infrastructures in Europe, supporting the banking sector in the Italian market.
- **Specialization:** Specialized in the administration and enhancement of Ansible Tower automation for more than 20,000 endpoints.
- **Remote Excellence:** Successfully managed the BigFix-to-Ansible migration while working fully remotely, improving efficiency, reliability, and operational visibility for global teams.

 **IBM – KATOWICE, POLAND**

ADVISORY TI SECURITY SPECIALIST - BIGFIX AND ANSIBLE TOWER ADMINISTRATOR – 09/2017 – 09/2021

As a BigFix Administrator, I was responsible for managing, securing, and optimizing enterprise infrastructure across more than **10 countries**, supporting over **20,000 endpoints** in the banking and financial sector. My work focused on maintaining compliance, executing large-scale patching, performing health checks, and ensuring seamless endpoint connectivity.



Key Achievements:

- **Process Improvement:** Proposed and implemented a series of enhancements—using ActionScript fixlets and Python automation—that reduced execution times from **2–5 hours to just 10–15 minutes**, significantly improving compliance and operational efficiency.
- **Innovation:** Developed and introduced a WebUI tool for non-master operators to verify real-time results across Italy, Germany, Poland, and the Czech Republic. This solution proved essential for rapid decision-making in financial environments.
- **Customer Recognition:** Received customer recognition for two consecutive years for outstanding performance in endpoint security and compliance. This distinction led to my being specifically requested by the Italian customer and IBM management to join the Ansible Tower team.
- **Transition to Ansible:** Played a pivotal role in the early stages of the transition from BigFix to Ansible for more than **20,000 endpoints**, contributing to initial planning, validation, and implementation workflows.



Core Responsibilities:

- Administration, configuration, and optimization of HCL BigFix (formerly IBM BigFix) and BigFix Inventory for a multi-country enterprise environment.
- Execution of compliance and patching activities, including baselines, actions, fixlets, and relevance logic.
- Performance of health checks, remediation actions, and troubleshooting for global endpoint fleets.
- Collaboration with architects and senior engineers to design solutions ensuring compliance and operational continuity.
- Creation of automation scripts using Python and BigFix ActionScript to streamline repetitive processes.



Certified Leader:

- Led one of the largest dedicated IBM client environments in Europe, serving the banking sector in Italy.
- Specialized in compliance administration, patch management, and enterprise-scale endpoint security.
- Successfully supported the transition from BigFix to Ansible while working fully remotely.

SINERGYHARD ECUADOR (IBM PARTNERWORLD) – QUITO, ECUADOR

SOFTWARE IBM IT ARCHITECT – CERTIFIED PROJECT LEADER – 08/2015 – 03/2017

As a Certified Project Leader and IBM IT Architect, I led the design, deployment, and management of enterprise-grade solutions based on IBM Spectrum Protect (formerly Tivoli Storage Manager), Tivoli Monitoring, and HCL BigFix. I was responsible for developing business plans, designing architectures, implementing technical solutions, and configuring LTO tape libraries for major enterprises and public-sector institutions—particularly in the banking sector.



Key Achievements:

- **End-to-End Project Delivery:** Successfully developed and executed complete business and technical plans, overseeing the architecture, deployment, and operationalization of IBM Spectrum Protect, Tivoli Monitoring, and HCL BigFix solutions.
- **Expert Solution Deployment:** Configured and deployed LTO libraries (tape-based storage) and integrated them into backup/archiving ecosystems, ensuring performance, reliability, and full compliance.
- **Banking Sector Expertise:** Delivered specialized architectures tailored to the stringent security, continuity, and audit requirements of the banking industry.
- **International Experience:** Worked remotely from Serbia for six months, demonstrating adaptability, autonomy, and the ability to manage large-scale projects across geographical boundaries.



Core Competencies:

- **Business Plan Development:** Designed comprehensive business and technical plans for large IT initiatives, aligning technology strategy with organizational objectives.
- **Architecture & Deployment:** Created robust, scalable architectures for enterprise storage, monitoring, and endpoint management infrastructures.
- **Cross-Functional Leadership:** Led multi-disciplinary teams across technical, business, and operational units to ensure successful project execution.
- **Client-Focused Delivery:** Provided customized, high-value solutions for financial and government clients, enhancing security, performance, and operational efficiency.

LINKBIRD S.A. (IBM PARTNERWORLD) – QUITO, ECUADOR

ADVISORY IBM TIVOLI – CERTIFIED PROJECT LEADER – 10/2013 – 09/2014

As a Certified Project Leader within IBM PartnerWorld, I delivered enterprise solutions based on IBM Spectrum Protect (formerly Tivoli Storage Manager), Tivoli Monitoring, IBM Cloud APM, and IBM QRadar SIEM. I was responsible for designing architectures, developing business plans, deploying technical solutions, and managing LTO tape libraries for public-sector institutions and major financial organizations. My work included partially remote assignments from Italy and France.



Key Achievements:

- **Business Plan Development:** Designed and executed comprehensive business and technical plans for IBM Spectrum Protect, Tivoli Monitoring, IBM Cloud APM, and IBM QRadar SIEM implementations.
- **Enterprise Architecture & Deployment:** Built and deployed scalable, secure architectures, ensuring seamless integration and optimal performance across diverse customer environments.
- **LTO Library Expertise:** Installed, configured, deployed, and administered LTO tape libraries, enhancing storage, backup, and disaster-recovery capabilities for large enterprises.
- **Banking Sector Delivery:** Delivered tailored solutions aligned with strict compliance, audit, and security requirements of banking-sector clients.
- **International Experience:** Worked partially from Italy and France for three months, demonstrating adaptability and the ability to manage complex projects across borders.

BINARIA IT SERVICES (IBM PARTNERWORLD) – QUITO, ECUADOR

IBM TIVOLI TECHNICAL SPECIALIST – CERTIFIED PROJECT LEADER – 10/2010 – 03/2013

As an IBM Tivoli Technical Specialist and Certified Project Leader, I delivered large-scale implementations of HCL BigFix (formerly IBM BigFix) and IBM Spectrum Protect (formerly Tivoli Storage Manager) for major enterprises and government institutions, particularly in the banking sector. My work included designing architectures, developing business plans, deploying enterprise solutions, and supporting clients remotely during a six-month assignment in Germany.



Key Achievements:

- **Business Plan Development:** Created complete business and technical plans from the ground up for HCL BigFix and IBM Spectrum Protect implementations.

- **Architecture & Deployment:** Designed and deployed scalable, secure architectures that ensured smooth integration and optimal performance across customer environments.
- **Banking Sector Expertise:** Delivered tailored solutions aligned with strict security, compliance, and audit requirements of clients in the financial sector.
- **International Experience:** Worked partially from Germany for six months, demonstrating adaptability and the ability to manage complex projects remotely.



Professional Beginnings:

- **Competitive Internship Winner:** Launched my career by winning a highly competitive internship among **300 candidates** from the Faculty of Systems Engineering. The internship provided one year of paid, hands-on professional experience at a leading Ecuadorian company.
- **Multidisciplinary Education:** Completed 2.5 years of studies across three specializations—Pure Systems, Networking, and Multimedia Systems Design—before focusing on Multimedia Systems Design and Engineering for an additional two years.
- **Creative Technical Perspective:** Initially considered ineligible for the internship due to my specialization, I successfully demonstrated how my multimedia and systems design background provided a unique, creative approach to problem-solving and customer needs—leading to my selection.
- **Work-Study Balance:** Gained real-world experience by working full-time during the day while continuing my studies at night, accelerating my professional and technical development.

● **ENTREPRENEURIAL EXPERIENCE / BUSINESS OWNERSHIP**

2023 – CURRENT

CodeCrafters Automation OÜ (Estonia)

Founder and Managing Director of an Estonian-registered technology company focused on automation, DevOps, cloud engineering, and AI-driven workflow solutions.
Responsible for business strategy, contracting, invoicing, and delivering consulting services to international clients, including UN agencies.
Holds Estonian e-Residency, enabling EU-wide remote contracting and business operations.

2022 – CURRENT

Escobar Design Sp. z o.o. (Poland)

Founder and sole shareholder of a Polish limited liability company (Sp. z o.o.).
Responsible for corporate governance, legal representation, and business management.
Registered as President of the Board with full individual authority for company decisions.
Company created for design, IT services, and business administration activities.

● **EDUCATION AND TRAINING**

01/2008 – 01/2015 Quito, Ecuador

BACHELOR OF ENGINEERING Universidad Internacional SEK

● **LANGUAGE SKILLS**

Mother tongue(s): **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **SKILLS**

Ansible

● **LICENSES & CERTIFICATIONS**

Major Certifications

IBM Certifications

- IBM Certified Specialist – Enterprise Storage Technical Support V4 (2016)
- IBM BigFix Platform Foundations (2019)
- IBM Security BigFix Sales Foundations – Level 100 & 200 (2019)
- Enterprise Design Thinking Practitioner (2019)
- IBM Cloud Private – Foundation Technology, Architecture, and Data (2019)
- Master Skills – BigFix Security Professional (2019)
- IBM InfoSphere BigInsights (v1 & v2) – Technical Mastery (2014)
- IBM InfoSphere Guardium – Technical Mastery (2014)
- IBM Security Access Manager V7.0 – Implementation (2014)
- IBM Tivoli Endpoint Manager V8.2 – Implementation (2012)
- IBM Tivoli Storage Manager V6.3 – Fundamentals (2012)
- IBM Tivoli Automation Sales Mastery Test V4 (2012)
- IBM Software Subscription & Support Sales Mastery Test V1

Google Cloud

- Set Up and Configure a Cloud Environment in Google Cloud (2021)
- Create and Manage Cloud Resources (2021)

DevOps & Automation

- DevOps Foundations
- DevOps Foundations: CI/CD
- DevOps Foundations: Infrastructure as Code
- DevOps Foundations: Monitoring & Observability
- DevOps Foundations: DevSecOps
- DevOps Foundations: Lean & Agile
- DevSecOps: Secure Delivery Pipeline
- DevSecOps: Automated Security Testing
- Learning Ansible
- Ansible Essential Training
- Red Hat (EX294) – Foundations of Ansible (Prep)
- Git Essential Training
- Learning Docker
- Learning Kubernetes
- Kubernetes: Microservices
- Kubernetes: Cloud Native Ecosystem
- Learning Jenkins
- Learning Nagios
- API Testing Foundations

Project & Leadership

- Lean Technology Strategy – complete series (Building Teams, Moving Fast, Agile at Scale, Business Transformation)
- IBM Mentor I & II
- IBM Recognized Teacher / Educator

Language

- TOEFL iBT (2014)

COURSES/ TRAININGS

Professional Training & Technical Courses

1. Ansible & Automation

- Red Hat Ansible Tower Implementation
- Red Hat Ansible Engine Implementation – Part 1
- Red Hat Ansible Essentials: Simplicity in Automation
- Ansible Tower OpenShift Deployment & Configuration
- Introduction to Ansible Tower and Git
- Ansible User Guide / Ansible Tower User Guide
- GSE-CACF Ansible Education – Tower Account Administrator
- GSE-CACF Ansible Education – Playbook Developer
- Kiratech – Ansible Automation (Beginner & Advanced)
- Kiratech – Ansible Tower
- Kiratech – Ansible Utilities & Plugins
- Feel IT! – Special Edition
- YAML for Ansible
- GIBSON 3 – Ansible Awareness

- Ansible and Automation Session – Red Hat (ILO_0002402)



2. Docker, Kubernetes & Cloud Native

- Docker Essentials: A Developer Introduction
- Kubernetes vs Docker
- Red Hat OpenShift Container Platform



3. Python & Scripting

- Learn to Analyze Data with Python
- Learn by Example: Python



4. Security & Compliance

- IBM Security Services Specialist Badge
- IBM Security BigFix Platform & Patch Foundations (Lvl 100 & 200)
- IBM Security QRadar SIEM V7.1 Implementation
- IBM Security Access Manager V7.0 Implementation
- Password Compliance Verification (PCV):
- Ask an SME
- PCV Phases
- Password Requirements at IBM
- Start Here



5. Agile & Work Management

- T-Zero Agile Accelerate (Modules 1–4): Basics, Agile, Tools & Metrics, Change
- Agile Ceremonies & Agile Roles
- Agile Leadership & Accelerate Behaviours
- First Iteration Journey Map
- Single Funnel of Work
- Balanced Scorecard
- Collaboration Tools
- Work Management (Day 1)
- Resource Utilization Operating Model
- Business Insights: Operational & Strategic Metrics
- Agile Accelerate Champion
- Run Book Quiz
- Influencing Change
- Additional Agile & Work Management quizzes (various)



6. IBM Cloud & Enterprise Technologies

- IBM Cloud Private – Foundation Technology
- IBM Cloud Private – Infrastructure & Architecture
- IBM Cloud Private for Data (2018)
- IBM BigFix Platform Foundations
- IBM Security Systems Sales Mastery Test v2
- IBM Cloud / IBM Security specialist modules (various)



7. Languages

- TOEFL iBT

SKILLS

Technical Skills & Competencies

Operating Systems:

Windows Server · Linux (RHEL, CentOS, Ubuntu) · macOS · IBM AIX

Cloud & Virtualization:

IBM Cloud Private · AWS (Foundations) · VMware · KVM · Minikube · Cloud Foundry

Infrastructure as Code (IaC) & GitOps:

Kustomize · AWS CloudFormation · IBM Cloud IaC · Ansible Collections & Roles · GitOps workflows · Infrastructure as Code design

Automation, Configuration Management & Testing:

Ansible · AWX / Ansible Tower · Ansible Navigator · Execution Environments (EEs) · Molecule (test automation) · Red Hat Satellite · CloudForms · YAML · Automation Orchestration · Automated workflows

CI/CD & DevOps Tooling:

GitLab CI/CD · GitHub Actions · Jenkins · Bitbucket Pipelines · Git

Containers & Cloud-Native Technologies:

Docker · Kubernetes · OpenShift · Microservices · Container Orchestration · OCI Images · Container lifecycle automation

API Development & Integrations:

FastAPI · REST API design · API Automation

Integrations with:

ServiceNow · Azure AD / Graph API · CyberArk · HashiCorp Vault · LDAP/AD

Enterprise Tools & Atlassian Suite:

Jira · Confluence · Bitbucket (administration, workflows, automations)

Security, Identity & Access Management:

HashiCorp Vault · CyberArk · LDAP/AD · DevSecOps practices · Compliance Automation

High Availability, Storage & Backup:

IBM Spectrum Protect (TSM) · Spectrum Storage Suite · LTO Libraries · Backup Automation

Databases & Big Data:

MySQL · Oracle · MongoDB · Hadoop / IBM BigInsights

Monitoring & Observability:

Tivoli Monitoring · IBM Cloud APM · Nagios · Health Checks Automation

Programming & Scripting:

Python · Bash · PowerShell · ActionScript · JSON/YAML · REST automations

IT Service Management:

ServiceNow (ITSM, CMDB automation) · HP Service Desk

Productivity & Collaboration:

MS Office Suite · Visio · Outlook · Lotus Notes · Teams · SharePoint