







AGUSTIN HERNAN BORRAJO

Azure Infrastructure Administrator | System Architect | DevSecOps Engineer | Middleware Specialist

CONTACT INFORMATION

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PROFESSIONAL SUMMARY

Experienced Azure Infrastructure Administrator with 20+ years in IT infrastructure, cloud architecture, and cybersecurity. Proven expertise in Azure administration, DevSecOps practices, middleware solutions, and vulnerability assessment testing. Strong background in designing and implementing enterprise-scale cloud solutions, security frameworks, and automation systems. Skilled in reducing costs, improving performance, and leading technical teams through complex business infrastructure projects.

CORE COMPETENCIES

Azure Services: Azure Web Apps, Azure Front Door, Azure SQL DB, Log Analytics, Azure Defender, Azure Monitor, Azure Sentinel

Azure Entra ID: RBAC, PIM (Privileged Identity Management), CA (Conditional Access), IP (Identity Protection), Access Reviews

Cloud Technologies: Hybrid Cloud Integration, Infrastructure as Code (IaC), Bicep, ARM, CI/CD/CD, GitHub Actions, Azure DevOps

Security: SAML, OpenID (OIDC), OAuth2, Web Tokens, PKI, Cryptography, Web Application Firewall (WAF), SIEM, SOAR, DevSecOps

Cybersec Testing: Threat Modeling, Vulnerability Assessment Testing (VAT), SAST, DAST, Rapid7, Qualys, Burp Suite, Kali Linux

Programming and Scripting: PowerShell, Azure PowerShell, VBScript, Perl, UX Shell Scripting, JavaScript, Python, VS Code

Tools and Platforms: Wireshark, Postman, Fiddler, F5 BIG-IQ Load Balancer & Reverse Proxy, SharePoint, Cloudflare, AppDynamics

Compliance: OWASP Top 10, ISO 27001, NIST CSF, SOC 2, FedRAMP, FIPS 140, PCI DSS, SOX, HIPAA, GDPR, MITRE ATT&CK, OIMS

PROFESSIONAL EXPERIENCE

SYSTEM ARCHITECT AND AZURE SUBSCRIPTION OWNER

ExxonMobil Business Support Center Argentina S.R.L. | Dec 2022 – Dec 2024

- Improved Azure Web Apps performance by 70% through optimization of elastic pool dynamics and resource allocation strategies
- Achieved cost savings of \$200,000 annually by rescaling and right-sizing Azure infrastructure resources with no service disruption
- Designed and implemented a SQL database accessibility solution on a custom Azure VM, doubling data load and extract speeds
- Managed TLS certificate lifecycle for critical on-premises F5 BIG-IQ load balancers supporting statutory corporate applications
- Increased application accessibility by 400% through architectural redesign of on-premises licensing server infrastructure
- Led proof of concept initiative removing 100% gateway proxy dependencies, resulting in 45% latency reduction
- Led and implemented 12 successful Azure Front Door migrations, integrating hybrid SSO authentication for 10,000+ users
- Reduced by 95% the risk of over-privileged roles and groups by implementing JIT access via Azure PIM on Production Applications
- Programmatically eliminated 99% percent of stale and unused guest user accounts, decreasing by 80% the attack surface risk
- Implemented Kusto Query Language to audit 100% of all Highly-Privileged operational updates on Production Azure Resources
- Decreased by 60% the amount of client secrets, implementing Entra ID Managed Identities via Federated Credentials for OIDC
- Improved by 85% the Cybersecurity posture scoring, applying the Zero Trust model on API token permissions and User Consent
- Mentored a team of 10 IT Operations Engineers on Azure architecture best practices and modern troubleshooting methodologies

CYBERSECURITY CHAMPION AND AZURE ADMINISTRATOR

ExxonMobil Business Support Center Argentina S.R.L. | Apr 2020 – Dec 2022

- Redesigned Web Application Firewall rules, resulting in a 99% reduction in false positives while maintaining security posture
- Led and executed Azure ADAL to MSAL authentication migration of Azure Cognitive Services applications with zero downtime
- Achieved 100% remediation of critical cybersecurity findings across the Corporate IT portfolio of 170+ business applications
- Conducted 200+ cybersecurity assessments facilitating VAT testing advice on SSLYZE, Postman and custom PowerShell scripts
- Coordinated and executed 150+ mandatory white-box vulnerability assessment tests for strategic and high-risk applications
- Implemented security monitoring dashboards tracking 500+ security metrics across enterprise applications and SaaS platforms

MIDDLEWARE WEB HOSTING AND AUTHENTICATION ENGINEER

ExxonMobil Business Support Center Argentina S.R.L. | Jan 2015 – Apr 2020

- Architected and deployed a customized application authentication monitoring system serving 15,000+ enterprise users
- Strengthened authentication schemas implementing OWASP Top 10 security standards across 50+ on-premises applications
- Integrated on-premises SharePoint with external B2B partners using Ping Access and Ping Federate WS-Fed and SAML protocols
- Developed a PowerShell automation framework reducing deployment time by 85% for critical system configuration updates
- Created a centralized knowledge repository increasing team efficiency by 30% and visibly reducing onboarding time

ENTERPRISE MONITORING AND AUTOMATION ENGINEER

ExxonMobil Business Support Center Argentina S.R.L. | Apr 2008 – Jan 2015

- Maintained event correlation logic for 5 enterprise monitoring systems serving 20,000+ active users, reducing 50% false positives
- Developed a Perl-based monitoring engine for 500 refinery servers and 80 Oracle database instances globally distributed
- Created user experience scripts for granular cyber threat detection across management servers expediting on-call MTTR by 80%
- Modernized Unix server monitoring developing a JavaScript & HTML5 web interface supporting 200+ network nodes
- Reduced incident response time by 40% through the implementation of intelligent automation and alert correlation scripts

T1 INTERNET DEDICATED ACCESS AND MIDDLEWARE ENGINEER

CubeCorp Argentina S.A. for Verizon and MCI | Oct 2004 – Jan 2008

- Administered business DNS zones and executed 50+ IP service migrations of special handling customers with zero downtime
- Integrated external BGP routers with corporate Frame Relay cascades supporting 2,500+ connections increasing QoS by 35%
- Restructured Verizon metropolitan carrier lines improving network reliability by 75% and reaching availability of 99.99%
- Standardized IT audit assessments for Lucent 5E and Nortel DMS-500 Class 5 switches reducing by 50% the auditors' workload

FAST ACCESS DSL AND HOME NETWORKING PLUS TELCO REPRESENTATIVE

Teletch Argentina S.A. for BellSouth and MCI Americas | Aug 2003 – Jul 2004

- Processed 500+ DSL service registrations and validated end user contracts achieving 99% customer satisfaction rating
- Provided technical support for 100+ IFITL and Home Networking DSL line pre-validations with 95% first-call resolution rate
- Delivered 85% cost savings for MCI Premium end users by streamlining PSTN voice line feature migrations for LEC & LDC services

EDUCATION

BACHELOR OF SCIENCE IN ELECTRONIC ENGINEERING

National Technology University, Argentina | March 2000

Graduate File Number: 93987-4

Thesis: iAPX80C52 Data Exchange Terminal - SYN/ACK Protocol Implementation on Assembler and Borland Turbo C

CERTIFICATIONS

- Microsoft Certified: [Azure Administrator Associate \(AZ-104\)](#) - Cred ID 27ECE37A0D9B1157
- Microsoft Certified: [Azure Security Engineer Associate \(AZ-500\)](#) - Cred ID 3C748E7DD5459BA8
- Microsoft Certified: [Azure Fundamentals \(AZ-900\)](#) - Cred ID 734E48E3BCECB4E4

LANGUAGES

- English: Native Speaker
- Spanish: Native Speaker
- French: Basic Proficiency
- Finnish: Elementary Proficiency

ADDITIONAL INFORMATION

- Availability: Immediate for remote employment. Open to international relocation. Full work rights in Argentina. Argentine national.
- Time Zone Flexibility: Comfortable working across multiple time zones, including EST, PST, and CET.
- Technical Setup: Own PC environment setup with Oracle Virtual Box, Kali Linux, Wireshark, Azure Subscription, VS Code.