### ALEXANDRO MACHUCA

**Tel:** 596 333 2211 **| E-mail:** alex.a.machuca@gmail.com **| Address:** Bracknell, UK

##### Senior Security Architect

**Architectural Structure | Technical Leadership/Delivery | Network & security strategy**

*Innovative thinker with broad-based expertise in strategic and technical delivery of large-scale network security solutions*

Technically sophisticated and strategically agile **Senior Security Architect** with significant hands-on technical experience in security design, vendor and client relationships, and Data Centre/Networking for high-growth organizations. Possesses in-depth knowledge on digital transformation strategy, technology architectures, and helps customers improve operational and financial performance, identify new business capabilities while maintaining measurable high standards of quality to achieve and sustain market leadership. Able to work well both independently and as part of a productive team, demonstrating the motivation and drive required to meet demanding deadlines.

# Skills

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| --- | --- | --- |
| * Security Architecture * Policies & Procedures Compliance * Strategic Planning & Analysis * Technical Operations Assessment | * Continuous Process Improvement * Network & Security Strategy * Budgeting & Cost Reduction * Client/Vendor Relationships | * Technical Contract Negotiation * Data Centre Virtualization * Staff Training/Development * Cross-Functional Skills |

# PROFESSIONAL EXPERIENCE

**ARQIVA, UK (contract, SC cleared),** London Oct 2015 – Present

*Served as a security specialist and was promoted to lead Security Architect on the Smart Metering programme and headed the security delivery of the Communication Service Provider North region (CSPN) solution from the design stage until go-live.*

**Lead Security Architect**

* **Security Architecture:** Delivered complex, secure, and cost-effective solutions and integrated new products to improve the security in corporate and non-corporate environments, and managed the security architecture for the CSPN solution.
* **Design Authority:** Leveraged key analytical skills to deliver all security designs, provided Security authority on all solution designs to meet the contractual requirements and Arqiva security policies and standards.
* **Solution Delivery:** Strategically positioned as technical lead on the implementation of security designs.

**H3G, UK (contract),** London Oct 2012 – Sep 2015

*Leading UK Mobile Network Operator who started building a 3G mobile network in 2003 from scratch, now covering 97% of the population. Has won many awards, especially for its mobile broadband service.*

**Security Design Architect**

* **Architectural Governance:** Provided architectural guidance and produced designs of high quality; ensured solutions were quality, cost-effective, performance, and scalable whilst proactively mitigating potential risks.
* **Design Authority:** Remained in contact with all the employees to approve design documents in the capacity of a design authority, vendor assessment & selection, and roadmap definitions.
* **Technology Strategy:** Kept abreast of new technical developments; generated new and innovative ideas and concepts for services to support the business roadmap and strategy.

**CONTROLCIRCLE, UK (contract),** London Mar 2012 – Sep 2012

*A leading provider of managed and cloud-based services to enterprises and online businesses on a global basis.*

**Senior Network Security Engineer**

* Steered strategies, proposed and executed tactics to deliver network and security projects, assisted in design and solution architecture, as well as provided technical input to the project and presales teams.

# SOFTWARE

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| --- | --- |
| **Architecture** | Network & security strategy, long-term planning, e2e solution architecture, technical leadership |
| **Design** | Service Provider, Enterprise network and security design, Data Centre Virtualization |
| **Implementation** | Low-level design, staging, testing, implementation, roll-out, documentation |
| **Operations** | 4th line support, creating/improving processes, training, knowledge transfer |
| **Consultancy** | Network and security audit, optimization, hardening, integration of new tools and technologies |

# Technical Certifications

**Active:** CCIE #24437 (R&S) CCNP CCDP CCNA CCDA JNCIA-Junos JNCIS-ENT CWTS

**Retired/expired:** CCSP, CCIP, CCSE, CCSA, CWNA, SF, CP, JNCIS-SEC

# EDUCATION & CREDENTIALS

**Degree in IT Teaching (equivalent to master's level),** University of Belvue, 2001

**Degree in Computer Engineering (equivalent to bachelor level),** Dennis Marlo College, 2001