# John J. Marco

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**OBJECTIVE:** To use leading edge virtualization and cloud computing technologies to produce real world solutions for today's business and industrial computing needs.

## EDUCATION

* University of California, San Diego          *Bachelor's in Computer Science*          *1991*

## SKILLS AND TECHNOLOGY

* Cloud Development, Systems Programming, Distributed Computing, Networking.
* Java, C, C++, Python,JavaScript, Perl, Ruby, SQL, XML, XSLT, and more.
* Windows, Linux, Unix, BSD variants, Mac.
* VMWare (vRA,vRO, ESX, vSphere, vShield, VCD, etc.), Xen, KVM, AWS, Hyper-V, and more.
* TCP/IP, IPv6, HTTP/HTTPS/Web, SSL/TLS, Email, DNS, DHCP, LDAP, VPN (several), and more.
* Object Oriented Design, Agile Development, Open Source and Proprietary Development.
* Remote and customer on-site development, Telecommuting, Travel (passport).
* Start-Up company experience and mindset.

## RELEVANT EXPERIENCE

**Senior Software Engineer**

*CloudBolt*                              *Portland, OR (Remote)*          *Mar  2019 – Present*

*SovLabs (Acquired by CloudBolt)*          *Atlanta, GA (Remote)*          *Mar  2019 – Present*

* Contributed to the development of the SovLabs template and property based extensibility products for VMWare vRA and vRO.
* Participated in the design and implementation of SovLabs next generation product offerings.
* Contributed to the integration of SovLabs next generation product into the combined product under development by CloudBolt.
* Designed the REST based asynchronous job execution interface used by the new product.
* Contributed to the design and implementation of a new REST based API for the upcoming combined product offering.

**Staff Cloud Automation Engineer**

*Intuit*                              *Menlo Park, CA (Remote)*          *May 2012 – August 2015*

* Designed and implemented the automated network configuration, virtual firewall provisioning, and storage provisioning components for a major internal self-service private cloud project based on VMWare products.
* Made key contributions to the overall design of the same system.
* Made extensive use of VMWare APIs, especially for the vShield firewall products.
* Designed self-service  storage provisioning facility using NetApp OnCommand and WFA APIs.

**Software Engineer Consultant**

*NetIQ (formerly Novell)*                    *Provo, UT (Remote)*          *May 2006 – May 2012*

* Senior Engineer and Architect for NetIQ Cloud Manager Orchestration Server.
* Heavy focus on system and networking design for the product.
* Multiple hypervisor technologies and APIs. (VMWare, Xen, KVM, AWS, and more)
* The "go to" person for automated offline VM image customization. (Windows and Linux)

**Lead Software Engineer / Co-Founder**

*RedMojo*                              *Santa Cruz, CA (Remote)*          *October 2003 – November 2006*

* Start-Up Company. *(A restart/continuation of Gridion)*
* Moved Gridion products into the "Cloud Computing" space.
* Implemented extensive rework of large parts of our advanced grid computing and application server to turn it into a leading edge distributed virtualization and cloud computing platform.
* Company acquired in a merger to take our cloud provisioning server to the next level.

# RELEVANT EXPERIENCE (Continued)

**Senior Software Engineer**

*Samba Holdings (now SambaSafety)*　　　　　*Albuquerque, NM*　　　　　*May 2004 – May 2006*

- Senior engineer and developer for a monitoring service for motor vehicle and other records.
- Heavy data acquisition along with database design and integration.
- Implemented key components of the service using emerging virtual machine technology.

**Lead Software Engineer / Co-Founder**

*Gridion*　　　　　*Santa Cruz, CA (Remote)*　　　　　*July 2002 – October 2003*

- Start-Up Company. *(A restart/continuation of Lutris Technologies)*
- Co-designed and implemented major portions of the Gridion grid computing platform.
- Designed and implemented an efficient agent/server messaging protocol for the platform.
- Designed and implemented a high performance multicast based large file distribution facility.
- Designed and implemented the data distribution component of the product.
- Designed and implemented an extended native execution helper agent for Java.

**Lead Software Engineer / Co-Founder**

*Lutris Technologies*　　　　　*Santa Cruz, CA*　　　　　*October 1995 – July 2002*

- Start-Up Company. *(Renamed from "The Information Refinery, Inc." in 1998)*
- Co-Founding engineer and employee #1.
- Extensive consulting experience as a senior engineer during the dot-com boom.
- Key designer and implementer of the Java based Enhydra open source application server.
- Key designer and implementer of the Lutris Enterprise Application Server.
- The "go to" person for challenging system, networking, or security issues.
- The "go to" person for anything involving native code. (i.e. C/C++)
- Developed extensive experience with Java soon after its initial release from Sun.

**Network Software Engineer**

*The Santa Cruz Operation*　　　　　*Santa Cruz, CA*　　　　　*July 1991 – October 1995*

- Worked primarily in the Network Engineering group.
- Became an expert software developer using C and C++ on Unix.
- Became an expert in systems programming, networking, and security.
- Key developer for the Security and RPC components of the company's OSF DCE offering.
- The "go to" person on the team networking and systems related issues.