Marc Bonomini

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PROFESSIONAL SUMMARY

Independent infrastructure and Linux systems consultant with extensive experience designing, delivering, and operating hybrid on-prem and cloud environments. Specializes in Linux-first architecture, cloud cost optimization, automation, and self-hosted platforms that replace or augment public cloud services. Frequently engaged to stabilize inherited environments, reduce operational overhead, and deliver production-ready infrastructure.

EXPERIENCE

MarcBonomini.COM , Indianapolis, IN—*Independent Infrastructure & Linux Systems Consultant*

2024-

· Deliver independent infrastructure and systems consulting engagements for small and mid-size organizations

· Architect, deploy, and operate secure Linux-first and hybrid on-prem/cloud environments with strong emphasis on cost control and reliability

· Design, develop, and implement automation and custom software solutions alongside production infrastructure to reduce operational overhead

· Serve as a trusted technical advisor, providing end-to-end guidance across networking, virtualization, Linux systems, cloud platforms, and bespoke application development

Mycelium Software Inc , Jacksonville, FL— *Business Systems Manager*

2022 - 2024

· Led and executed infrastructure architecture and operations for a commercial software organization supporting both internal teams and external clients

· Designed, maintained, and evolved server, network, and VPN infrastructure supporting internal teams and external clients

· Built and maintained a custom Red Hat–based operating system for proprietary application deployment

· Managed Jira and Confluence workflows supporting change control, incidents, and operational documentation

· Architected and delivered a fully self-hosted data-center platform at a colocation facility, replicating OCI/AWS capabilities while eliminating public-cloud dependency

SOFT SKILLS

· Analytical and detail-oriented

· Creative problem solver with "out of the box" thinking

· Reliable, punctual, and highly self-directed

· Trustworthy and accountable

· Diplomatic and strategic communicator

· Leads by example in technical and operational settings

COMPUTER LANGUAGE SKILLS

Python / Node.js / JScript / Java

BASH Script / Linux Shell

C / C++ / PHP / HTML

Oracle / MySQL/ PostgreSQL

TECHNICAL SKILLS

RHEL, CENTOS / DEBIAN / UBUNTU/ SUSE / UNIX / LAMP

Network Architect / Network Engineering / Network Admin

VMWare-ESXi / Hyper-V / AWS / OCI / Azure / Prox / Citrix Xen / Cloud Computing / Storage Administration / Infrastructure Architect

Oracle / OUAF / CCB MDM ODM C2M / WebLogic / Glassfish

· Supported hosted and on-site client deployments of the company's in-house application

· Developed automation and internal tooling using Python, Bash, Java, and PowerShell to streamline operations and deployments

· Administered and supported Oracle-based utility applications (water, power, gas) with compliance oversight

Datacom Specialists LLC , Cincinnati, OH— *Lead Systems Engineer*

2016 - 2022

· Served as senior escalation and infrastructure engineer for an MSP environment supporting approximately 600 users across multiple client organizations

· Administered and stabilized VMware, Citrix Xen, Hyper-V, and Proxmox environments across client deployments

· Designed, implemented, and stabilized client data-center and hybrid infrastructures in diverse production environments

· Delivered Linux-based server, hardware, and software development across Debian and RHEL platforms

· Delivered electronic development and prototyping for embedded systems using Arduino and BeagleBone

· Designed and implemented firmware, hardware, and supporting software for embedded systems

· Administered Microsoft Server, Active Directory, O365, and Entra ID across client environments

· Delivered repeatable automation using Bash, Python, and PowerShell

Private Capital , Chicago, IL— *Engineer*

2013 - 2016

·Algorithmic securities trading research and development

Design Studios LLC , Miami, FL— *Lead Systems Engineer*

2011 - 2013

· Delivered server and end-user infrastructure services for 25+ client organizations (~200 users)

· Administered and stabilized VMware, Citrix Xen, Hyper-V, and Proxmox virtualization platforms

· Operated Linux-based data services and VOIP systems, including Bash-driven administration and automation

MB Technologies DBA, Chicago, IL — *Network Engineering and Consulting Proprietor*

2007 - 2011

· Operated as an independent consulting proprietor delivering network and infrastructure services to commercial clients

· Designed, maintained, and evolved client networking infrastructure to meet business and operational requirements

· Procured, installed, and lifecycle-managed infrastructure hardware

· Delivered on-site and remote network administration as an independent consultant

Firewall Admin / Switch Admin LAN / WLAN / WAN / SAN / VLAN Admin

Microsoft Server / Active Directory, O365, Entra ID

FreePBX / VOIP / Asterisk with Cisco and Compatible Hardware / VOIP Administration

Infrastructure Security / Physical Security / Digital Security / Social Training

Embedded Firmware Engineering / Firmware Dev / Custom Devices / Arduino / Beaglebone / IoT / Physical Design and Prototyping / Soldering and Assembly

OpenAI / GYM / MachineLearning

CAD / CAM / 3D Modeling / CNC/ Fusion360

EDUCATION

Indiana University — *Bachelor of Science in Business Administration*

2008 -2011

· Concentrated areas of study include finance, marketing, economics, and business management techniques

Grand Rapids Community College (Grand Rapids, MI)

2006 - 2008

· Progressed toward a degree in business administration

· Tutored fellow students in information technology

Kent Career Technical Center (Grand Rapids, MI)

2002 - 2004

· A+

· SQL

· LAN and WAN theory

FROM THE AUTHOR

Thank you for your time and consideration. I bring a broad and practical background spanning infrastructure architecture, systems engineering, and business systems management. My experience includes designing and operating complex data centers, delivering hybrid and self-hosted platforms, and developing custom software and automation to support production environments. I take a hands-on, outcome-driven approach and look forward to applying my skills to deliver reliable, cost-effective results.