

RUSSELL L. BOHLMANN

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IT Automation/Integration Engineer

Energetic, passionate, and results-driven IT Automation, and Tools Specialist with a proven history of success transforming manual, mundane, repetitive, and time-consuming technical tasks into automated technical solutions and processes. Adept at helping **streamline operations, facilitating engineering, troubleshooting, and improving data quality**. Strong problem-solving skills and utilizes an extensive technical expertise to identify, design, and deploy the best method to resolve technical problems while considering time, costs, and people constraints.

TECHNICAL SKILLS

- Operating Systems – **Linux, Windows Server**, UNIX (HPUX), IOS
- Programming Languages –**Perl, Python, PHP, HTML, Expect, UX shell script, SQL, Regular Expressions**, CGI script, EEM, jQuery
- Technical Applications – Database (MySQL, SQLite), Apache Webserver, IIS, Apache Airflow, Cygwin, Wireshark, tcpdump, Procmail, syslog-ng, Swatch, Network Policy Server (NPS)
- Productivity Applications – Microsoft Office: Word: 50 WPM, Excel: +Macros/VBA, Visio, Outlook, etc...
- Networking (DATA) – **LAN/WAN**: Cisco Router, Switch, Firewall; HP Procurve Switch; **PROXY**: Bluecoat, socks
- Networking (TOOLS) – **DDI (DNS/DHCP/IPAM) Bluecat, bind**; AAA; Monitoring: NNM/OVO, PRTG, Zabbix, Homegrown Service Monitoring, Scripting
- Networking (VOICE) – **REPORTING/AUTOMATION ONLY**: Avaya PBX; Cisco CUBE/Lync; Mitel/Aastra: CDR reporting
- General IT – Extensive troubleshooting experience encompassing Operating Systems, Networking, Appliances, Applications, etc..

PROFESSIONAL EXPERIENCE

IT INTEGRATION AND AUTOMATION ENGINEER (2017, Aug – PRESENT)

Damovo; Global Services

- Designed, coded, and implemented Busy Hour reporting from Call Detail Records (CDR) taken from Cisco Unified Communication Manager (CuCM) and Mitel MX-One PBX
- Designed, coded, and implemented Resource Unit (RU) reporting for billing purposes
- Integral in setting up enterprise monitoring for customer Voice Network using PRTG
- Created Avaya Communication Manger OSSI SAT interface to facilitate automations
- Designed, coded, and implemented an entire automation solution replacing vendor software, realizing a \$200k per year savings in ongoing licensing costs

IT AUTOMATION ENGINEER (2014, Nov – 2017, Aug)

DXC Technologies; Colorado Springs, Colorado (2017, Apr – 2017, Aug)

Hewlett Packard Enterprise; Colorado Springs, Colorado (2014 – 2017, Mar)

- **Developed/coded scores of tools and enhancements** using Perl, PHP, SQL, TCL, EXPECT, Cisco EEM, etc...
- Designed and implemented **ad-hoc monitoring, notification, and reporting** routines on 250+ cisco routers and 65+ Avaya PBXs
- Scripted/coded multiple solutions ranging from **application integration to reporting and DB management**
- **Engineered and implemented data gathering routines** for both project and support related activities; utilizing syslog, SNMP, remote login, etc..
- Scripted multiple solutions for **remote device (router/PBX) automation**

- Designed and implemented replacement for ASA reporting **saving the reporting team 10+ man hours** per week
- Designed and implemented Expedited Forwarding (EF) Calculator for engineering; **providing consistency and standardizing** cisco voice GW configurations
- Designed and implemented a DID DB solution providing a web front end for manual manipulation/reporting as well as behind-the-scenes routines for automatic updates

NETWORK ENGINEER (2003 – 2014)

Hewlett-Packard; Colorado Springs, Colorado

- **Hostmaster for an 18,000+ employee, \$5+ billion revenue generating company** with responsibilities that include performing Domain management/configuration/transfers for over 500 gTLD/country domains and IP Address Management (IPAM) for 15 Class B, 106 Class C, and RFC1918 address space.
- Design/implementation/support engineer for the following services: IPAM:DNS/DHCP/NTP (Bluecat Networks, BIND, NetID), PROXY (Bluecoat Networks)
- Design/implementation/support engineer for the following tools: HP Openview (OVO/NNM), InMon-Traffic Sentinel, and half a dozen homegrown Service Monitoring scripts
- General support engineer responsible for numerous networking technologies including LAN, WAN, Authentication/Authorization (ACE/Radius, ACS, Tacacs), Remote Access solutions ranging from WLAN to VPN; Senior support lead for Blackberry, servicing over 900 users
- Responsible for deep level support for **network environment consisting of over 75 sites in 7 countries**
- Designed/implemented/support various scripts and database instances for data collection, backup, and reporting tasks; including customized SLA reporting
- Lead in reviewing and accepting technical documentation into support

NETWORK SUPPORT ENGINEER (2000, June – 2003, June)

Agilent Technologies; Colorado Springs, Colorado

- Spearheaded and expanded proactive monitoring by **developing black box service monitoring routines** for several networking services
- Created a **Do It Yourself IT** (diy.it.agilent.com) website/toolset for end-users to perform certain general IT tasks on their own; saving many man-hours for all involved
- **Support engineer responsible for numerous networking technologies** including LAN, WAN, Switching/Routing, DNS, VPN
- Member of Network team supporting over 2,000 devices at over 140+ unique sites
- Lead in reviewing and accepting technical documentation into support

SYSTEMS ANALYST

Shadow Mountain Hospital; Tulsa, Oklahoma

- Installed and configured system software
- Created database/software that **improved office efficiency by reducing data entry and eliminating repetitive user processes**
- Maintained Novell LAN / Maintained user accounts
- Ran network cables / Troubleshot network problems
- Maintained AS/400 system network

SOFTWARE ENGINEER

Industrial Electronics Repair, Inc. Claremore, Oklahoma

- **Maintained and updated control system software** & modified electrical schematics w/ACAD
- Provided 1st level technical and software support for our clients
- Evaluated software; Procured software, hardware and supplies

EDUCATION

BACHELORS OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

Oklahoma State University, OSU Stillwater, Oklahoma

Major GPA 3.795, Overall GPA 3.434

ASSOCIATE IN APPLIED SCIENCE, CIS SYSTEMS TECHNICIAN OPTION

Tulsa Community College, TCC Tulsa, Oklahoma

ASSOCIATE IN SCIENCE

Tulsa Community College, TCC Tulsa, Oklahoma

CERTIFICATION

CompTIA Security+ ce (NOVEMBER 23, 2015 – NOVEMBER 23, 2027)

Code: 3P5HDKZEJDB1Q8S3 [Verify at: <https://www.certmetrics.com/comptia/public/verification.aspx/>]

AWS Certified Cloud Practitioner (JUNE 23, 2022 – JUNE 23, 2025)

Validation Number: 3BZXL92DPNFIQR9P [Verify at: <https://aws.amazon.com/verification/>]

AWS Solutions Architect - Associate (NOVEMBER 08, 2016 – NOVEMBER 08, 2018)

Certificate: AWS-ASA-23756

APN Certificates of Completion (DECEMBER 2016)

AWS Technical Professional; AWS Business Professional; AWS TCO and Cloud Economics

Cortex Basic Certification (OCTOBER 2019)

Certificate ID: EFF83563-05F1-E911-BF2F-00155D0232B7

Certificate of Achievement: [Verify at: <https://certification.cortex.co.uk/view/EFF83563-05F1-E911-BF2F-00155D0232B7/>]

Zabbix Certified Specialist (AUGUST 2020)

Zabbix 5.0 Certified Specialist Certificate

Adult CPR/AED, Pediatric CPR and First Aid Review (HSSFA414R r.2016) (SEPTEMBER 29, 2018 – SEPTEMBER 29, 2020)

American Red Cross; Certificate ID: GWRIAU [Verify at: <http://redcross.org/confirm/>]