# ROBERT L. MAJOR

## Professional Summary

Dedicated, forward-thinking professional seeking a dynamic role where I can utilize my expertise in automation, scripting, tooling, UNIX, and cloud technologies. Strong belief in being a lifelong learner and enjoy learning from and teaching others. Eager to contribute to a collaborative team while continuing to expand my knowledge and skills.

## Skills

- Extensive technical background across multiple platforms, UNIX/Linux/Windows/macOS, web and application servers, scripting, and automation.
- Proficient in cross-platform work and quick adaptation to new technology, systems, applications, and environments.
- Highly motivated team player with ability to motivate and inspire others.
- Professional demeanor coupled with light, engaging personality.
- Passionate about innovation and encouraging culture of continuous improvement, enjoy teaching.
- Familiar with Scrum Agile and Jira. Over 15 years of experience working remotely.

## Work History

**Wells Fargo** - **Senior Systems Engineer** - **01/2007 – Current**

**Cloud Automation & Integration Services(AI/ML):**

- Provided Terraform and cloud support for various Azure Cloud services such as Cognitive Services, Machine Learning, AI Chat, AI Search, Synapse Analytics, Logic Apps, Application Server Environment(ASE) as well as some GCP support(Cloud Scheduler).
- Performed code reviews, ensuring adherence to standards, best practices, internal policies. Participated in and lead working sessions with other engineers.
- Created, reviewed, and maintained documentation for modules, procedures, and on-boarding.

**Enterprise Integration Services:**

- Designed an Ansible based software packaging automation system to configure, customize and build custom internal RPM packages from source for enterprise patching.

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## Software and Tool Experience

- GitHub, Ansible, Python, Terraform, Terraform Enterprise, Checkov, Docker, NGINX, Kafka, Apache, Splunk, Puppet, WebSphere, Jira, Microsoft Visual Studio Code, MySQL, VMware, Selenium, Oobabooga (Local LLM server/API), LM Studio, and many more.

## OS Experience

- RHEL(Redhat), SuSE, Ubuntu, Gentoo, Solaris, AIX, HPUX, MacOS/OS X, Windows, and others.

## Development and Language Experience

- Python, Perl, Shell, Powershell, PHP, HTML/CSS, Java, JavaScript, YAML, HCL, and others.

## Hobbies and Interests

- Audio engineering, music, and music production
- Long time cook and baker, enjoy culinary arts, experimenting with and refining recipes
- Exploring home automation technology, hardware, and gadgets
- Currently studying machine learning

- Designed, implemented, and maintained internal YUM RPM repository used as source RPM repository for remote Linux patching within for enterprise.
- Configuration and management of internal Linux cluster used to provide enterprise web based services applications and tools. Load balancing, capacity planning, troubleshooting, created and maintained custom management tools, designed, and implemented other custom integration configurations for internal customers.
- Created a Kafka enterprise environment management tool using Ansible workflows that included, server instance management(stop|start|restart, etc.), SSL keystore procurement, renewal, and installation. Provided Kafka platform support.

**Enterprise Hosting Information Technology:**

- Provided design and support for the enterprise internal Java application hosting platform, playing a key role in the design and implementation of the Java based enterprise brokerage environment, performed capacity planning, and risk remediation.
- Provided extensive support for the WebSphere suite for the Brokerage, managing application server and cluster configurations, IHS server support (IBM HTTP server), maintained SSL key stores and certificates, monitoring, auditing, performance tuning of web servers and application servers.
- IBM WebSphere eXtreme Scale cluster configuration and support. Documentation of system configurations, troubleshooting procedures, developed implementation plans and templates.
- Disaster recovery planning, review, testing. Developed supported and contributed to several automation tools including application deployment and patching. Network troubleshooting and validation, packet capture and inspection.

**TDBanknorth** - **IT Systems Administrator I / II – 01/2005 - 01/2007**

**Enterprise UNIX Engineering**

- Administered numerous UNIX-based systems, hardware builds, configuration, and support, performed OS installation and configuration using custom tools and automation, Linux HA cluster configuration/support, Oracle RAC cluster configuration/support, tape backups and other data center functions.
- Developed web-based monitoring system for IBM WebSphere MQ systems(Cluster|Queue|QMGr status, etc.), documented development processes and system configurations, procedures. Performed disaster recovery planning and testing and exercises.
- Created a web-based system management and monitoring tool for all UNIX systems (Solaris, Linux, AIX, HPUX) that included documentation management, system performance metrics, capacity planning forecasting and graphing. Documentation of all processes and procedures.

and data engineering concepts (LLMs, LoRAs, model training)
- Spending quality time with family and spoiling our pets!

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## Education

**Certifications And Training**
- Terraform Associate Certification
- Google Cloud Digital Leader Certification
- Microsoft AZ-900 Certification
- Microsoft AI-900 Certification
- Scrum Developer Certified
- Puppet – Minneapolis, MN (Puppet Practitioner, Getting Started With Puppet)
- HP HPSA – Charlotte, NC (Advanced usage and administration of the HP Server Automation platform)
- A+/Linux+ Certification Program
- Bridge Education College – Westbrook, Maine
- SA-299 Advanced System Administration for the Solaris 9 OS
- SA-239 Intermediate System Administration for the Solaris 9 OS
- SA-119 UNIX Essentials Featuring the Solaris 9 OS
- Gurulabs Linux Courses (G L510 - Linux Network Security, GL314 - Linux Troubleshooting, GL275 - Enterprise Linux Network Services, GL250 - Enterprise Linux Systems Administration, GL120 - Linux Fundamentals)
- CA NetViz – Advanced NetViz Administration I, Advanced NetViz Administration II
- IBM WebSphere MQ –WebSphere MQ System Administration for AIX