**Delbert Aud**[delbert.aud@gmail.com](mailto:delbert.aud@gmail.com) | 702-449-2337 | Henderson, Nevada, USA

**PROFESSIONAL SUMMARY**

Highly skilled information technology expert with over four decades of experience in leveraging technology to streamline operations and achieve business objectives using a wide range of technologies. Expertise includes team management, project execution, solution architecture, and programming.

**RIGHT TO WORK**

* United States Citizen

**CERTIFICATIONS**

* Certified Information Systems Professional (CISSP)
* Microsoft Certified System Engineer (MCSE) – deprecated

**TECHNICAL PROFICIENCIES**

* Operating Systems: Linux, Windows, MacOS
* Cloud Platforms: Amazon Web Services (AWS), Google Cloud Compute, Digital Ocean
* Programming Languages: Python, C++, C, Java, C#, JavaScript, Go, Visual Basic, SQL
* Databases: Oracle, MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, Redis, Elasticsearch, SQLite
* Virtualization Technologies: VMWare ESXi, Microsoft Hypervisor, Docker
* Automation Pipelines and Tools: UiPath, Automation Anywhere, Selenium, NodeRed, Apache NiFi; Robotic Process Automation (RPA),
* AI/ML Frameworks: ChatGPT, Ollama, n8n, LangChain, CrewAI
* Project Management Methodologies: Waterfall, Scrum, Agile, Kanban
* Accreditation Processes: DITSCAP, DODAF, DIACAP

**EDUCATION**

* College of Southern Nevada - Associate of Applied Science - Software Programming - 2023
* College of Southern Nevada - Bachelor of Applied Science – Project Management – In Progress

**PROFESSIONAL EXPERIENCE**

**Self-Study**AI Automation   
May 2024 - present

* **n8n (AI):** Installed n8n and developed a AI data pipeline utilizing n8n, ollama and various large language models.
* **Automatic111 (AI)1 -** Installed Automatic111 and explored the capabilities of Stable Diffusion to generate various business images.

**Bath Bomb Xpress**IoT Architect  
May 2024 - June 2024

* **Automated Liquid Filling Station (Arduino, C) -** Electronics engineer and developer that created an innovative Arduino-based liquid filling system for use in manufacturing settings. Through precise process control, the system enabled quick adjustments and consistent operations via intelligent monitoring, resulting in a streamlined process that maximized output and reduced waste.

**ConvergeOne**Data Engineer  
June 2016 - May 2024

* **Avaya Telephone System Testing Solution (Java):** Created a Java-based solution using the Avaya DMCC library to exercise new installation work and ensure changes do not affect basic functions.
* **Help Desk Ticket Dashboard (Classic ASP, SQL Server reporting database):** Designed and developed a dashboard system for enhanced views on important help desk tickets in classic ASP, retrieving data from a SQL Server reporting database.
* **Elasticsearch Solution:** Implemented Elasticsearch to store data and report on help desk tickets.
* **SQL Server to Elasticsearch Data Loader (Classic ASP, Python, Elasticsearch libraries)**: Developed a solution that extracts new and updated data from a SQL Server and loads it into an Elasticsearch database using classic ASP, Python, and Elasticsearch libraries.
* **Sophos Antivirus Wrapper:** Wrote a wrapper around the Sophos Antivirus data collection tool to support long-term data retention, meeting audit requirements.
* **Avaya IXM Software Installation Automation (JitBit Macro Recorder, PowerShell):** Utilized JitBit Macro Recorder to build a Robotic Process Automation solution for automated installation of Avaya IXM software and added PowerShell scripts to support server build.
* **Robotic Process Automation Consulting:** Offered consulting services on RPA to identify business opportunities for automation, leveraging tools like Automation Anywhere, Apache NiFi, Python, Golang, JitBit Macro Recorder, and PowerShell.
* **Noisy Equipment Identification (Python, ElasicSearch, REST):** Analyzed enterprise alarms with asset data using Python to determine the noisiest equipment.
* **Sumreyes Project (Go, Python, REST, Microsoft SQL Server database):** Designed and developed a project that collects vital information from Avaya phone system components across multiple environments, transmitting gathered data through REST endpoints to a publicly accessible Microsoft SQL Server database on CentOS.
* **Ivanti Ticket Assignment Automation Solution (Python):** Developed an Ivanti ticket automation solution using Python to analyze and assign tickets to the proper resource based on skill and availability.
* **RPA Team Contributions (Python, Excel VBA development expertise):** Contributed innovative coding techniques and best practices to optimize automation solution performance by as much as 500%, resulting in significantly improved process efficiency.

**Hewlett-Packard Enterprise Services  
Senior Consultant  
September 1995 - June 2016**

* **Project Management:** Oversaw projects from concept to delivery, ensuring timely and successful completion.
* **Requirements Analysis:** Analyzed project requirements, developed strategies, and mentored development staff to ensure project success.
* **Post-Development Support:** Supported solutions post-development as they transitioned into production.
* **Classroom Project:** Collaborated with the NMCI team to develop a comprehensive solution for student account registration and automation using C# programming language and integrating with Microsoft SQL Server database, supporting the Department of Navy's training program.
* **Data Manipulation & Reporting:** Developed Visual Basic Scripts to automate data manipulation in large Excel Spreadsheets, ensuring consistent formatting and generation of project reporting for senior management.
* **Exchange Server User Balancing:** Created PowerShell remote scripts to collect user balancing data across the enterprise, utilizing asynchronous and remote execution to meet data collection timeframes.
* **HP Fortify on Demand Solution:** Implemented HP Fortify on Demand in a lab environment, documenting pain points and issues installed in the Navy network while adhering to Navy standards.
* **Deployable Seat Application (DSA):** Investigated and remediated issues with DSA solution were upgrading Microsoft Exchange Server from version 2003 to 2010 would break forwarding of messages for service members out on deployment.
* **Atomic Unit Tests & Rhino Mocks:** Added atomic unit tests to the solution, along with refactoring to support Rhino Mocks testing solution.
* **Streamlined Complex Projects:** Managed multiple projects simultaneously, ensuring successful delivery and minimizing project risks.
* **Enabled Collaboration & Efficiency:** Implemented innovative solutions that facilitated effective collaboration and streamlined development processes for accounts and customers.
* **Supported Business Growth:** Provided consulting on next moves with solutions to further their mission and utilization.