**Delbert Aud**

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Innovative IT professional with extensive experience in solution architecting, data engineering and programming.

**TECHNICAL PROFICIENCIES**

**Operating Systems:** Linux, Windows, MacOS

**Cloud:** Amazon Web Services (AWS), Google Cloud Compute, Rackspace, Digital Ocean

**Programming Languages:** Python, Java, C#, JavaScript, Visual Basic, SQL, PHP, Go, Swift, Classic Visual Basic, Objective-C, Dart, Transact-SQL, D, PL/SQL, VBScript, PowerShell

**Databases:** Relational, NoSQL, Graph, Oracle, MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, Redis, Elasticsearch, Microsoft Access, SQLite, Snowflake, MariaDB, Microsoft Azure SQL Database, Amazon DynamoDB, Hive, Google BigQuery, Neo4j,   
HBase, Couchbase, Memcached, Amazon Redshift, dBase, CouchDB

**Virtualization:** VMWare ESXi, Microsoft Hypervisor, Oracle VirtualBox, Docker, Kubernetes

**Automation Pipelines:** NodeRed, Apache NiFi

**Automation Tools:** Robotic Process Automation, Automation Anywhere, Google DialogFlow, Selenium

**PM Methodologies:** Waterfall, Scrum, Agile, Kanban

**Accreditation Processes:** DITSCAP, DODAF, DIACAP

**Certification:** CISSP - Certified Information Systems Security Professional  
Since 03/10/2014 (479580)

**Education:** College of Southern Nevada

**US Right to Work:** United States Citizen

**PROFESSIONAL EXPERIENCE**

**Programmer – Data Engineer   
ConvergeOne  
Remote (June 2016 to Present)**

Ivanti Ticket Automation utilizing Python to analyze and assign tickets to the proper resource based on skill and availability. The solution utilizes various static files, REST Endpoints and Database connections to ensure proper assignment.

Data Science work combining enterprise alarms with asset data to determine most noisy equipment. Parts of the data are harvested from ElasticSearch while others are in an Enterprise SQL Server environment. Data cleansing and analysis performed using Python. Charts rendered in ChartJS and Excel. Graphing analysis done with Python, Neo4j and NetworkX.  
  
Consulting on Robotic Process Automation (RPA) to find business opportunities to automate. Bringing tools like Automation Anywhere, Apache Nifi, Python and Golang to reengineer business processes to yield cost and time savings. Used JitBit Macro Recorder to build a Robotic Process Automation solution for automated installation of the Avaya IXM software. Added PowerShell scripts to support build of the server.

Architected and developed a system to collect data from various Avaya tools and push data through a web services interface to a SQL Server database running on CentOS. The solution was written in the Go language and utilizes Microsoft SQL Server as the storage.

Built a solution in Java that exercises Avaya Telephone Systems to ensure new installation works as expected and that changes do not affect basic functions. This solution was written in Java utilizing the Avaya DMCC library.

Built a dashboard system for enhanced views on important help desk tickets. This solution was written in classic ASP. It retrieves data from a SQL Server reporting database.

Implemented ElasticSearch to store data and report on help desk tickets.

Built a solution to extract new and updated data from a SQL Server and load such data into an ElasticSearch database. This solution utilized classic ASP, Python and ElasticSearch libraries.

**Enterprise Senior Consultant  
Hewlett-Packard/EDS  
Remote, (September 1995 to June 2016)**

Provided Information Technology consulting for more than 20 different accounts on a wide range of subjects during my 20-year tenure with the company.

Managed development teams and built a wide range of solutions using various programming languages. Provided technical consulting services to clients in business, IT, health services, air travel, automotive, military, finance, and entertainment.

Team member of the Quick Response Team focused on emergency technical support for priority accounts.