**Delbert Aud**

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[http://delbertaud.com](http://delbertaud.comd) | <https://www.linkedin.com/in/delbertaud>  
  
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, Scratch, Go, Classic Visual Basic, Transact-SQL, D, PL/SQL, VBScript, PowerShell, AWK

**Databases:** Relational, NoSQL, Graph, Oracle, MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, Redis, Elasticsearch, Microsoft Access, SQLite, Snowflake, MariaDB, Amazon DynamoDB, Microsoft Azure SQL Database, 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:** Vagrant, Ansible, 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**

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

**Software Solution Engineering:**

• Developed a Java-based solution, leveraging the Avaya DMCC library, to exercise Avaya Telephone Systems and ensure new installations work as expected.  
• Utilized classic ASP, Python and ElasticSearch libraries to create multiple systems for targeted data retrieval from SQL Server databases and loading into ElasticSearch databases. One of these was a dashboard system to provide enhanced views on important help desk tickets.  
• Architected a system to collect data from a range of Avaya tools and upload it to a SQL Server database running on CentOS via a web REST interface. This solution utilized the Go language and Microsoft SQL Server.

**Data Science and Management:**

• Combined enterprise alarms with asset data to determine the noisiest equipment, using ElasticSearch and Enterprise SQL Server environment for data harvesting, Python for data cleansing and analysis, and ChartJS and Excel for chart rendering. Applied Neo4j and NetworkX for graphing analysis.  
• Created a wrapper for the Sophos AntiVirus data collection tool to facilitate long-term data retention in ElasticSearch to support of audit requirements.

**Automation and Process Engineering:**

• Advised on business opportunities that would benefit from Robotic Process Automation (RPA). Applied tools including Automation Anywhere, Apache Nifi, NodeRed, Python and Golang to reengineer business processes for cost and time savings.  
• Automated the Ivanti ticket assignment process using Python, relying on various REST endpoints and database connections to ensure proper assignment based on skill and availability.

**Hewlett-Packard/EDS  
Enterprise Senior Consultant  
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.