

Delbert Aud

- Contact Information
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PROFESSIONAL SUMMARY

Visionary IT Executive and Enterprise Solutions Architect with over 40 years of success driving digital transformation and business growth. Strategic leader expert at aligning advanced technologies—including AI/ML, Cloud Computing (AWS/GCP), and Robotic Process Automation (RPA)—with corporate objectives. Proven track record of leading cross-functional engineering teams, eliminating costly operational bottlenecks, and architecting secure, scalable data pipelines. A pragmatic strategist skilled at translating complex technical infrastructure into actionable executive insights that mitigate risk, maximize ROI, and drive proactive business operations.

TECHNICAL PROFICIENCIES

- **Operating Systems:** Linux, Windows, MacOS
- **Cloud Computing:** Amazon Web Services (AWS), Google Cloud Compute (GCP), DigitalOcean
- **Programming Languages:** Python, C, C++, Java, C#, JavaScript, Visual Basic, SQL, Go, PHP
- **Databases:** Oracle, MySQL, SQL Server, PostgreSQL, MongoDB, Redis, SQLite, Elasticsearch
- **Virtualization & Containerization:** VMWare ESXi, Microsoft Hyper-V, Docker, Proxmox
- **Automation:** Robotic Process Automation (RPA), Selenium, Node-RED, Apache NiFi, n8n
- **AI/ML & Data Science:** Gemini API, n8n, LangChain, CrewAI
- **Project Management:** Agile, Scrum, Kanban
- **Security & Compliance:** DITSCAP, DODAF, DIACAP

WORK EXPERIENCE

Senior Automation Architect

ConvergeOne

June 2016 – May 2024

- **Architected Enterprise RPA & Process Automation Frameworks:** Designed scalable end-to-end automation strategies leveraging Python, Golang, Automation Anywhere, and PowerShell—advising cross-functional teams and optimizing code performance by up to 500% to dramatically streamline operational workflows.
- **Engineered Data Pipelines & Analytics Engine for Triage Automation:** Built high-throughput ETL data pipelines from SQL Server into Elasticsearch and authored Python-driven intelligent routing algorithms (Ivanti, enterprise alarm noise analysis) to automate help desk ticket assignment and proactive infrastructure remediation.
- **Designed Telephony Automation & Validation Systems:** Developed Java-based automated testing architectures utilizing the Avaya DMCC library alongside RESTful monitoring systems on Linux/CentOS to validate complex voice infrastructure changes, enforce functional baseline stability, and guarantee system reliability.
- **Built Automated Deployment & Compliance Solutions:** Spearheaded Robotic Process Automation (RPA) and server configuration scripts (JitBit, PowerShell) for automated software installations (Avaya IXM), while authoring custom utility wrappers to automate long-term security retention and satisfy strict audit compliance standards.

Technology Consultant

Hewlett-Packard Enterprise Services

September 1995 – June 2016

- **Strategic Enterprise Architecture & Compliance:** Partnered with government and enterprise stakeholders to architect secure IT solutions, ensuring full alignment with DISA STIG standards and complex government security postures.
- **Legacy Modernization & Technical Migration:** Advised senior leadership and cross-functional engineering teams on migrating complex legacy systems, developing comprehensive framework guides, custom discovery tools, and sandbox testing protocols to ensure zero-downtime application relocations.
- **Process Automation & Performance Optimization:** Re-engineered legacy OBIEE reporting processes using automated scripting, slashing report rendering times from 25 minutes to 2 seconds and reducing enterprise storage requirements by 75%.
- **Cross-Functional Leadership & Solution Engineering:** Led technical delivery teams in designing and deploying full-stack, automated enterprise tools using C#, PowerShell, Visual Basic, and SQL Server, bridging business requirements with technical execution across 30+ concurrent projects.