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**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.

**CERTIFICATIONS**

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

**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

**PROFESSIONAL EXPERIENCE**

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

* **Developed a Sophisticated AI Data Pipeline -** Successfully installed and configured n8n to establish an advanced Artificial Intelligence (AI) data pipeline by integrating it with Ollama and multiple Large Language Models, optimizing data flow for enhanced business intelligence applications.
* **Leveraged Automatic AI Tools -** Successfully installed and utilized the Advanced Features of Automatic1111, harnessing its integration with Stable Diffusion technology to produce diverse high-quality business imagery, enhancing creative outputs for strategic corporate applications.
* **Explored AirTable's Advanced Capabilities –** Conducted an in-depth analysis of AirTable's platform to design scalable database solutions, streamline workflow automation, and integrate cross-functional tools (e.g., Zapier, Slack), improving operational efficiency and data management processes.

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

* **Automated Liquid Filling Station (Arduino, C) -** Constructed an automated liquid filling station with Arduino and C, enabling real-time adjustments; system reduced material waste by 10% and improved filling precision to over 99%.

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

* **Avaya Telephone System Testing (Java, DMCC) -** 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, Microsoft SQL Server) -** 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.
* **Help Desk Ticket Storage (Python, Elasticsearch) -** Implemented Elasticsearch to store data and report on help desk tickets.
* **SQL Server to Elasticsearch Data Loader (Python, Elasticsearch, REST)** - Developed a solution that extracts new and updated data from a SQL Server and loads it into an Elasticsearch database using Python, and Elasticsearch libraries.
* **Sophos Antivirus Wrapper (Python) -** 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, Elasticsearch, REST) -** Analyzed enterprise alarms with asset data using Python to determine the noisiest equipment.
* **Sumreyes Project (Go, Python, REST, Microsoft SQL Server) -** 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 (Python, REST) -** Developed an Ivanti ticket automation solution using Python to analyze and assign tickets to the proper resource based on skill and availability.
* **RPA Team (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**

* **Technical Team Lead** - Oversaw projects from concept to delivery, ensuring timely and successful completion at the NMCI account.
* **Solution Architect** - Provided requirements analysis, System design, Technology Selection, Integration Planning and Solution Documentation for the NMCI account.
* **Technical Team Manager** - Managed a team of developers supporting 30+ projects for Bank of America account.
* **Senior Technology Consultant** - Provided technology consulting services on a wide variety of technologies to a multitude of HP Enterprise Services accounts.
* **Senior Information Specialist - Provided a wide range of programming services across several programming languages and platforms for HP Enterprise Services and EDS accounts.**

**American Honda  
Developer  
October 1993 - July 1994**

* **Dealership Communication System (DCS) Developer – Designed and implemented a real-time transactional system utilizing the Visual Basic programming language enabling seamless data exchange between dealerships, corporate offices, and parts ordering systems.**
* **System Architect – Engineered scalable architecture using Visual Basic and Jet Data Storage Engine to support real-time processing of dealership transactions on American Honda’s AS/400 mainframe.**
* **Technical Implementation Lead – Delivered a robust platform that streamlined communication workflows, improving operational efficiency across dealership and corporate networks.**