WILLIAM DOUGLAS HILL

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Lead Power Platform Developer | CLOUD ARCHITECT | AZURE | AWS

I design and deploy cloud solutions with a focus on cost, security, and operational simplicity. I design and deploy cost-focused cloud solutions using Power Apps, Power Automate, and Power BI that balance security and operational simplicity.

AWS Certified Solutions Architect Associate

Microsoft Certified AZURE Fundamentals

Microsoft Certified Azure Data Fundamentals

Microsoft Certified POWER PLATFORM Fundamentals

Scrum Product Owner Certification (SPOC) Trained

Security Clearance: Public Trust; Secret adjudication pending

PROFESSIONAL EXPERIENCE

ECS Tech | Phoenix, AZ

Solution Architect/Lead Power Platform Developer   March 2023 - Present

Led and implemented Power Platform and cloud modernization solutions across multiple federal agencies (IRS → DHS → DoD). Responsible for requirements, secure solution design, tenant governance, ALM/CI-CD practices, and delivery of model-driven and canvas Power Apps, Power Automate flows, and Power BI reporting using approved-level tools.

IRS – LEGACY MODERNIZATION & COMPLIANCE

- Led and implemented conversion of legacy Nintex workflows and Access databases into Power Platform solutions; implemented validation rules and automated audit trails to align with IRS compliance requirements and streamline business processes.
- Re-architected an Access-based application into a modern Power Platform solution to improve data integrity and role-based security across stakeholders.
- Delivered Power BI dashboards from Dataverse/Power Platform sources to improve operational visibility and reduce ad-hoc reporting effort.

DHS – MODEL DRIVEN + CANVAS APPS DELIVERY, GOVERNANCE AND AUTOMATIONS

- Led and implemented a security-hardened model-driven Power App (with an embedded canvas app) augmented with JavaScript customizations and Power Automate flows to support DHS intake workflows.
- Built a separate Power BI report (per BA requirements) supporting a parallel work stream to surface KPIs and operational metrics for stakeholders.

DoD – SHAREPOINT BACKED DATA MODELING AND REPORTING

- Led and implemented SharePoint-backed data sources and built the data model and Power BI reports to meet DoD reporting needs; SharePoint was chosen for cost, scalability, and ease-of-use.
- Implemented data modelling and reporting best practices to enable reliable, repeatable Power BI deliverables for program stakeholders.
- Created runbooks and handoff documentation to support operations and future enhancements.

ARIZONA STATE UNIVERSITY | Tempe, AZ

Solution Architect/Lead Power Platform Developer   Nov 2022-March 2023

Owned HIPAA compliant Azure tenant as product owner and architect while collaborating with cross-functional teams to design, configure, and deploy cloud architecture solutions utilizing AWS, Azure, GCP and Power Platform.

D365 PROJECTS

- Architected and led the deployment of a scalable CRM solution across 8 departments, integrating with existing enterprise systems. Developed a strategic roadmap that aligned CRM capabilities with business goals, resulting in improved customer engagement and increased sales productivity.
- Define streamlined processes to reduce complexity and costs: Drive the design of efficient processes within the CRM deployment, emphasizing simplicity and cost-effectiveness to enhance overall operational effectiveness.
- Perform fit-gap assessments to select optimal technical solutions: Conduct thorough fit-gap assessments to evaluate and select the most suitable technical solutions for the CRM deployment, ensuring that chosen technologies seamlessly integrate with existing processes

AUTOMATION PROJECTS | GOOGLE CLOUD AND POWER PLATFORM

- Designed and implemented an automated process using Google Cloud Data Loss Prevention (DLP) to redact sensitive Personally Identifiable Information (PII) from resumes, ensuring compliance with data protection regulations. This initiative reduced manual processing time by 40% and improved data privacy, resulting in a faster and more secure hiring process for HR teams.
- Led stakeholder engagements to meticulously gather requirements, orchestrating the seamless transition of existing forms to Power Apps. Leveraged the capabilities of Power Automate to streamline processes, resulting in a significant reduction in operational costs. This initiative not only elevated user experience but also marked a substantial improvement in operational efficiencies, driving tangible cost savings for the organization.

CLOUD GIS ARK ENTERPRISE PROJECT ARCHITECTURE | AMAZON WEB SERVICES (AWS)

- Investigated and pinpointed the underlying issues in the preexisting architectural design leading to the failure of cloud GIS ARK Enterprise and failover systems in a system-wide incident before my tenure, analyzing system design, framework, and cloud infrastructure.
- Guaranteed the consistent reliability and availability of ASU's maps for thousands of students and faculty members. Achieved this by optimizing infrastructure and implementing robust disaster recovery solutions.

HICS PROJECT | PII & HIPAA COMPLIANCE | AZURE

- Collaborated with stakeholders to assess business requirements and translate into technical designs by creating architectural blueprints and roadmaps.
- As the Product Owner for the Azure environment, I configured and deployed cloud service solutions, including establishing a HIPAA-compliant tenant for research data. Implemented data governance policies and a conditional access policy for ASU researchers to ensure HIPAA compliance and security. Led and mentored 2 Junior SharePoint Administrators, aligning solutions with strategic business objectives and optimizing the Azure environment's efficiency and performance.

ARIZONA PUBLIC SERVICE | Phoenix, AZ

The largest electric utility in Arizona with 5K+ employees serving 1.2 M customers across 11 counties.

IT Solutions Engineer/Analyst II   Mar 2017–Nov 2022

Collaborated with stakeholders to learn needs. Conducted research, developed, and implemented IT solutions to drive enterprise performance improvements and reduce costs. Designed architecture for stakeholders and lead engineers.

BUSINESS ALIGNMENT & STRATEGY

- Drove prioritized business goals and outcomes by utilizing business capability roadmaps consistent with IT plans and investments. App portfolio oversight.

- Developed technology strategies referencing architectures and governing solutions to ensure alignment with established requirements.
- Developed option analysis to inform decision-making and support strategic roadmaps while identifying trade-offs and risks.
- Subject Matter Expert (SME) for Azure DevOps, SharePoint, Power Platform, Power Automate, and Power Apps.

SOLUTION DEVELOPMENT & IMPLEMENTATION

- Implemented Power Platform Dynamics 365 enterprise communication solution. Built external CRM framework providing critical information for 1M+ customers.
- Configured Microsoft tenant configurations for Teams, SharePoint, OneDrive and DLP for Power Platform.
- Created comprehensive architecture designs for stakeholders and lead engineers.
- Automated enterprise travel approval process and reduced workload 50%.
- Led project team to migrate SharePoint 2010 workflows to cloud platform while managing India-based team members. Delivered project 2 weeks ahead of schedule, reducing budget costs.

TECHNICAL SKILLS

Power Platform & Microsoft 365

- **Power BI**: DAX, Power Query (M), data modeling, incremental refresh, Row-Level Security (RLS), performance optimization
- **Power Apps**: Canvas and Model-Driven Apps, component libraries, custom security roles
- **Power Automate**: Cloud flows, approval flows, integrations with SharePoint, Outlook, Dataverse
- **SharePoint Online:** Site architecture, permissions, Power Apps integration, legacy workflow migration
- **Microsoft 365**: Teams, OneDrive, Outlook, Planner, Excel integration

Data & Cloud Platforms

- **Dataverse**, SQL, Azure SQL, composite models, dataflows
- **Azure**: Azure Active Directory, Conditional Access, Blob Storage, RBAC, HIPAA-compliant environment setup
- **AWS**: S3, IAM, CloudWatch, EC2, well-architected framework

Tools & Development

- Azure DevOps (ADO), GitHub, ShareGate, Postman, PowerShell, Visual Studio Code
- JSON, REST APIs, HTML/CSS, basic JavaScript

RELEVANT EXPERIENCE

Amazon Web Services (AWS) & Azure Cloud, Google Cloud Architecture | SELF STUDY | Tempe, AZ   Jun 2021–Current

Pursued and completed AWS, Azure Fundamentals, Power Platform Fundamentals, and Scrum Product Owner training.

- Built AWS, GCP and Azure Cloud Platforms and projects to sharpen learned methodologies and skills.
- [Certifications](#)

EDUCATION

GRAND CANYON UNIVERSITY | **Master of Business Administration (MBA)**: **Finance** – 2021

Bachelor of Science (**BS**): **Information Technology (IT)** – 2018