

ROBERT HUFF

📍 Houston, TX | 🏢 CTO | AI Strategist | Agile Leader
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CHIEF TECHNOLOGY OFFICER | ENTERPRISE AI STRATEGIST | MICROSOFT ECOSYSTEM ARCHITECT

Transformational technology executive with 15+ years of experience driving digital and AI-powered transformation across healthcare and technology sectors. A forward-thinking leader in **AI DevOps**, **Microsoft Azure**, and enterprise cloud strategy, I specialize in aligning emerging technology with business value to drive automation, innovation, and scale. Proven success in deploying intelligent systems, reducing operational costs, and accelerating time to value.

From implementing **Microsoft Fabric**, **CosmosDB**, and **Azure AI Foundry** to embedding AI across DevOps pipelines and support functions, I consistently lead high-performing teams to deliver measurable business outcomes. My leadership fosters a remote-first, Agile-driven culture empowered by automation, data intelligence, and continuous improvement.

KEY SKILLS & TECHNICAL EXPERTISE

AI & Machine Learning

- AI DevOps | ModelOps | Azure AI Studio | Azure AI Foundry
- Generative AI (LLMs) | Prompt Engineering | RAG Systems
- MLOps with Azure Databricks & MLflow | Computer Vision | NLP

Microsoft Cloud & Data Architecture

- Microsoft Fabric | Azure Synapse | CosmosDB | Azure Data Lake
- Microsoft 365 | Power Platform | Azure Logic Apps | Azure DevOps
- Data Governance | Distributed Cloud | Microsoft Security Stack

DevOps & Agile Engineering

- CI/CD Pipelines | GitHub Actions | Infrastructure as Code (IaC)
- Agile Coaching (CSM, CSPO) | Scaled Agile Frameworks | Jira Roadmaps
- Automation Engineering | TestOps | Cloud Cost Optimization

Leadership & Transformation

- Enterprise AI Strategy | Digital Transformation | Cost Reduction (\$2M+)
- Cloud Migration (AWS & Azure) | Remote Workforce Transformation
- Product & Engineering Leadership | Strategic Vendor Management

PROFESSIONAL EXPERIENCE

Vice President of Technology | Global Systems Architect, Business Manager

Inception Fertility, Houston, TX (Hybrid)

Apr 2024 – Present

Leading full-scale AI and cloud transformation using Microsoft technologies. Driving scalable automation, cost reduction, and agile performance across a remote-first tech organization.

- Spearheaded enterprise-wide **AI DevOps** transformation, embedding AI into DevOps pipelines for code review, test generation, and incident prediction.
- Led the implementation of **Microsoft Fabric**, creating a unified data fabric for real-time analytics, governance, and cross-platform integration.
- Deployed **Azure AI Foundry** to build and fine-tune internal LLMs and copilots, powering intelligent support, decision automation, and internal chatbots.
- Architected AI-enabled apps with **CosmosDB** and **Azure Databricks**, enabling high-performance AI inference and continuous ML model improvement.
- Cut \$2M in IT/operational expenses through Microsoft contract optimization and AI-powered resource allocation.
- Drove Agile adoption across the org, increasing sprint velocity by 30% and delivery frequency by 40%.
- Developed remote-first workforce model supported by AI-enhanced collaboration tools and technical leadership training.
- Architected voice AI solutions to reduce full time employee counts by 70% for repeatable verification of insurance tasks with major insurance carriers for inbound and outbound calls.

Director of Software Development | Founding Engineer, Primary Solution Engineer

Inception Fertility, Houston, TX (Hybrid)

Jul 2020 – Apr 2024

Joined as a Founding Engineer to build the foundation for the organization's digital products and development organization. Led end-to-end software development, AI readiness, and Agile transformation as the technical backbone of early-stage platforms.

- Served as **Primary Solution Engineer**, designing scalable system architectures and cloud environments from the ground up using **AWS**, **Vue.js**, **SQL Server**, and **Python**.
- Established modern software delivery pipelines with **DevOps** and **CI/CD**, enabling faster and more reliable releases.
- Launched Agile and Scrum practices, transforming software development velocity and cross-functional team collaboration.
- Initiated AI readiness initiatives by embedding automation and feedback loops into the product lifecycle.
- Collaborated with executive leadership to define a product and technology roadmap aligned with long-term business goals.

- Reduced technical debt and streamlined engineering workflows, setting the standard for code quality, documentation, and sprint planning.

Chief Technology Officer | Founding Engineer, Primary Solution Engineer

Imagine Fertility, San Antonio, TX (Hybrid)

Aug 2015 – Jul 2020

Recruited as a **Founding Engineer and the organization's first technology leader**, tasked with designing, building, and scaling the company's digital infrastructure and software products from scratch.

- Acted as **Primary Solution Engineer**, architecting full-stack applications and internal platforms using **PHP**, **MySQL**, and **C#**, while introducing foundational cloud infrastructure in **AWS**.
- Led the buildout of core systems that supported clinical operations, billing, patient engagement, and enterprise workflow automation.
- Introduced Agile engineering culture and practices, enabling faster product iteration and scalable team growth.
- Modernized legacy systems and integrated cloud-first strategies, setting the groundwork for AI and data transformation.
- Developed long-term technology strategy aligned with executive leadership and operational objectives.
- Mentored engineers and built a high-performing product/IT team from the ground up, fostering a culture of innovation and accountability.

Chief Information Officer | ITIL Leadership

Reproductive Medicine Associates of Texas | Aug 2012 – Jun 2018

Oversaw IT strategy, infrastructure design, and regulatory compliance across multi-location operations.

- Delivered compliant and secure IT environments (HIPAA), enabling future data integration and machine learning use cases.
- Built IT infrastructure for multiple new clinical facilities, from design to deployment.
- Reduced operational costs while improving performance by optimizing vendor contracts and software stacks.

Systems Administrator

DataSearch Inc. | Feb 2008 – Sep 2012

Modernized systems and improved cross-platform integrations in a complex healthcare IT environment.

- Implemented system automation and EMR integrations that laid groundwork for intelligent data workflows.
 - Enhanced VoIP and telephony solutions to improve operational agility and patient experience.
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CERTIFICATIONS

- **Certified ScrumMaster (CSM)** | Scrum Alliance (2023–2025)
 - **Certified Scrum Product Owner (CSPO)** | Scrum Alliance (2023–2025)
 - **AI Project Management Specialization** | Google
 - **Microsoft Azure AI Engineer (In Progress)**
 - **CompTIA Security+** | CompTIA
 - **Microsoft Certifications (MCP, Office 365 Admin, Azure Security – Pending)**
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EDUCATION

(Experience prioritized; education condensed for relevance.)

B.S. – Information Technology (Security Specialization)

Western Governors University

Diploma – Information Security

Career Point College | GPA: 3.5
