JASON STOYLES

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LEAD FULL-STACK ENGINEER & SOLUTIONS ARCHITECT

Technical Leader with 15+ years of experience building scalable applications for Healthcare, Federal Research (NIH), Sports, and Higher Education. Expert in **AWS** cloud migrations, database architecture, and **AI-driven automation**. Proven track record of delivering **high-performance systems** and managing end-to-end product lifecycles.

TECHNICAL SKILLS

- **AI & ML:** LLM API Integrations (OpenAI, Gemini, Claude), scikit-learn, AI-assisted development (GitHub Copilot)
- **Cloud & DevOps:** AWS Certified Developer (EC2, S3, RDS, Lambda, SES), Digital Ocean, Oracle Cloud, (Apache/NgenX), Windows (IIS).
- **Languages:** PHP (Laravel), Python (FastAPI), Dart (Flutter), C# (.NET), JavaScript, HTML/CSS, ColdFusion
- **Databases:** MySQL, MariaDB, SQL Server, Oracle, Stored Procedures, Triggers, Schema Optimization

PROFESSIONAL EXPERIENCE

UNIVERSITY OF ARIZONA | Applications Programmer Analyst | Remote | 2022 – Present

- **Lead Developer** for the College of Medicine Faculty Management System, overseeing the full development lifecycle.
- **Modernized enterprise systems** to ensure high availability and data integrity for medical faculty and administration.

PRO PICK'EM (Seasonal Sports Application) | Technical Co-Founder | Remote | 2013 – Present

- **Scalable Architecture:** Engineered web and mobile applications supporting **millions of monthly impressions** leveraging cloud infrastructures, secure API integrations, and optimized database schemas to manage **complex data integrations** from various providers.
- **AI/ML:** Developed **predictive models** using **AI** to provide professional-grade sports team and player predictions.
- **High Volume Automation:** Built a high-volume notification system handling up to **50,000 daily messages** and integrated seamless online/in-app payment processing workflows.

UNIVERSITY OF MARYLAND, BALTIMORE | Senior Developer (Part-Time) | Remote | 2017 – 2021

- **Orchestrated an AWS migration** for the NIH National Library of Medicine, improving cost, scalability and reliability.
- **Developed and maintained** high-performance internal and student facing applications for the University.

HEALTHSTREAM | Solutions Architect (Part-Time) | Remote | 2015 – 2021
Note: Transitioned to part-time role in 2017 to provide specialized architectural continuity and support.

- **Lead Architect** for Conflicts of Interest Management and Adaptive Learning applications.
- **Engineered a licensing tracking system** to ensure compliance with federal healthcare regulations.

CANON USA | Senior eCommerce Specialist | Melville, NY | 2014 – 2015

- **Optimized eCommerce operations** through custom automation tools and Salesforce administratione.

HEALTH CARE COMPLIANCE STRATEGIES | Senior Developer / Team Lead | Jericho, NY | 2008 – 2014

- **Lead Architect** for specialized Learning Management Systems (LMS) and healthcare compliance software.

EDUCATION & CERTIFICATIONS

- **B.S. Information Technology** – Northeastern University (Graduated Summa Cum Laude)
- **AWS Certified Developer** – Amazon Web Services
- **Project Management Certificate** – Kaplan University
- **Professional Diploma, Web Development and Business Programming** – Anthem College
- **Honors:** Alpha Chi Honor Society Member