James (Jim) Stagg

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**App Dev Team Manager, Architect, DevOps Practitioner,
NoSQL/RDBMS Manager, ⊙ ♡ Perl! (and yes, I still code!)**

I guide diverse teams to deliver value through empathy and systems thinking. I manage design, development and site reliability efforts, CI/CD systems and database platforms. Join me at a dry erase board, and we'll be friends for life! I speak from a well-rounded set of IT experiences, including front-line support, systems operation, security remediation, stakeholder relations, executive presentation, customer-facing support, vendor management and a real-life disaster recovery scenario. I can share my solid distribution and logistics business knowledge as well as prior experience in technology, aviation and mass media industries.

Deep experience architecting & owning enterprise Java-based custom and packaged applications. Much of that is legacy systems co-habitation and replacement, including designing stranglers to ease replacement as well as front-ending new/legacy applications with a common MVC ASP.NET portal. Happy to discuss how I've worked with modern, resilient architectural patterns (microservices, stranglers, circuit breakers, CQRS and when I should have chosen event sourcing!). A big part of resiliency also comes from designing/implementing/supporting network-level abstractions with F5 NLBs or Nginx as a simpler stand-in. Hands-on experience with ETL toolsets to smooth the integration path. I still pull regular on-call shifts as a technical contributor. I read and support Java, JavaScript, ASP.NET, C#, Python, Business Basic (UBL), C and Go for code reviews and SRE work. I develop in Perl, Bash, Complex SQL, and Python. I'm hands-on with Jitterbit Harmony as an API integrator & ETL tool.

Experience

S.P. Richards Company

Applications Development Manager

October 2015 to Present

- Rebuilding business continuance capabilities as systems testing coordinator
- Integrated DBAs into team (Oracle, Exadata, SQL Server, MongoDB & PostgreSQL platforms)
- Moved 50% of order line volume to new OMS
- Drove 95% of deployments to become non-impacting, daily events (was 15% in 2018)
- Volunteered to lead our "sustaining/reliability" team
- Turned a top 20 customer into a top 5 customer by designing a new promising solution
- Guided ASP.NET development team to deliver major sales order entry & editing additions
- Evangelized and adopted Kanban process for visualizing team workflow
- Led ASP team to deliver order entry/edit functionality for two major new channels of business

- Wrote incident monitoring with PagerDuty via Perl, Bash and Python
- Visualized sales KPIs for wide viewing with Datadog via Perl, Bash and Python
- Developed & matured key systems monitoring with Perl, Bash and Python
- Scripted application management scripts with Ansible, Bash and Perl
- Created & maintained CI/CD pipelines in Jenkins
- Reduced costs and risks through proving system viability evidence via JMeter load testing

Application Architect

November 2010 to October 2015

- Deeply involved in design/build/support of custom Java applications (financials, interfaces, etc)
- Designed/implemented Promising Module in Sterling OMS
- Designed/implemented Pricing & Inventory modules in Sterling OMS
- Designed/implemented History Data module in Sterling OMS
- Stabilized deployment process (with Bash scripts, GitLab as SCM and Ant for builds)
- Presented at IBM Smarter Commerce Global Summit

Application Administrator

June 2006 to October 2010

- Drove standardization of Java Ant build pipeline for custom and packaged Java delivery
- Implemented Purchasing and master data loading modules in Sterling OMS
- Implemented PROS pricing & analytics solutions (as Jitterbit ETL developer)
- Created extensive monitoring/automated recovery scripts in Perl and Batch for Axapta
- Led Axapta 4/Sterling OMS project (as PM, tester, admin and occasional X++ developer)
- Integrated Horizon subsidiary network into SPR network (as systems architect)

Senior Windows System Administrator

January 2001 to June 2006

- Led migration from Window NT 4.0 Domain to Active Directory project (PM/architect/tester)
- Upgraded Exchange 5.5 to Exchange 2003
- Built first web server farm behind F5 LTM for customer-facing portal
- Led several network/system integration projects to fold subsidiaries into SPR network/domain
- Managed legacy OMS migration from DG/UX to HP-UX (as PM and load tester)
- Created & tested SPR's initial Windows system disaster recovery plan
- Administered SPR's first IBM AS/400 systems

Dealergain.com

Systems Administrator

September 2000 to December 2000

- Windows/Linux sysadmin support for startup Dealergain.com (lost funding in Dec. 2000)

Expo.net

Unix Systems Administrator/Web Developer

April 1999 to August 2000

- Worked one-on-one with clients to create custom web solutions (as HTML web developer)
- Supported Apache HTTPD and Perl on FreeBSD and Linux web servers
- Served as Windows SME for the company

Sportime International

Systems Analyst/Graphic Designer

July 1994 to March 1999

- Created first web sites for all Sportime catalogs
- Created e-commerce site with Apache HTTPD, PHP & PostgreSQL
- Supported AS/400 and Novell Netware servers
- Created pre-press coordinator position for annual cost savings of $90k

Fulton County Daily Report

Art Director/Macintosh Systems Manager

September 1990 to June 1994

- Promoted to department head to manage daily paper production and special projects
- Coordinated daily newspaper production and art directed photo shoots for special projects
- Built Macintosh-based publishing system with QuarkXPress, Adobe Photoshop & Illustrator

Education

Embry-Riddle Aeronautical University
Bachelor of Science in Technical Management, Logistics Concentration
Graduated Summa Cum Laude (3.963)

Certifications

AWS Certified Cloud Practitioner
GCP Associate Cloud Engineer

Personal Time

I take personal responsibility for exploring new technologies in my downtime, like:

- Docker build with automated data import into Redis container with Go web service front-end built into a second container
- Docker builds with GitHub CI integration to deploy Node.js machine into DockerHub
- Docker build with automated data import into Cassandra
- Docker build with automated data import into MongoDB with Node.js web service front-end
- Docker build with automated data import into CouchDB

- Kubernetes deployments of my Docker projects
- Amazon Keyspaces demo using same data load from Docker/Cassandra project
- Amazon Aurora (PostgreSQL option) demo with simplified data set from above
- Terraform POC to build/destroy AWS infrastructure

Tech Details

DevOps practitioner, Site Reliability Engineer, Application Reliability Team Manager, Kanban believer, Lean practitioner, Sterling Order Management, Redhat JBoss, Redhat HornetQ JMS, SOAP APIs, REST APIs, XML, JSON, complex SQL, VMware, PagerDuty, Datadog, Ansible, MongoDB, Oracle RDBMS, SQL Server, PostgreSQL, Apache ServiceMix, Apache JMeter, IIS, Java, Perl, Bash, Docker, Jenkins, GitLab, GitHub, Apache HTTPD, Nginx, Redhat Enterprise Linux, CentOS, Ubuntu, Debian, FreeBSD, OpenBSD, Axapta, Microsoft Dynamics AX, IT Operations, Disaster Recovery, Business Continuance, Kubernetes, Terraform, Go, CouchDB, Cassandra, UBL, JavaScript