**James (Jim) Stagg**

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

Join me at a dry erase board, and we'll be friends for life! 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. A well-rounded set of IT experiences informs my perspective, including front-line support, systems operation, security remediation, stakeholder relations, executive presentation, customer-facing support, vendor management and a real-life disaster recovery scenario.

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 customer-facing web application. Happy to discuss my time with modern architectural patterns (microservices, stranglers, circuit breakers, CQRS and when I should have chosen event sourcing!). I’m experienced with traditional resiliency approaches using network-level abstractions with F5 NLBs or Nginx. 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.

# Experience

## S.P. Richards Company

### Applications Development Manager

#### October 2015 to Present

* Decomposed legacy Backorder Allocation function into a microservice pattern
* Rebuilt business continuance capabilities as systems testing coordinator
* Integrated DBAs into Application Reliability team (Oracle, Exadata, SQL Server, MongoDB)
* Moved 50% of order line volume to new OMS
* Drove 95% of deployments to become non-impacting, daily events (was 15% in 2018)
* 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 to customer portal
* Evangelized and adopted Kanban process for visualizing team workflow
* Led customer portal 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

* Designed/build/support of custom Java applications (financials, interfaces, etc)
* Designed/implemented Promising Module in Sterling OMS with heavy custom interface work using Java and Apache Camel to orchestrate service calls into Promising Module
* Designed/implemented Pricing & Inventory modules in Sterling OMS with heavy emphasis on both pricing API performance and custom Java to keep inventory data in sync in real time with other systems
* Designed/implemented History Data module in Sterling OMS with most of the focus on a balance of traditional ETL patterns with the use of native APIs and custom data loading applications
* 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, aka “Stuff I Love”

I invest time in exploring things I love 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