

# 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