

Sean McHugh

Application Architect

Woodhaven NY | sean8sean@gmail.com



Applications Architect

Aug 2011 - Present

Available upon request

Grey Group

In my third stint at Grey, my role is to design application infrastructure, authentication and data architecture for new applications; integrate new and existing applications in refreshed cloud based models; enhance application delivery lifecycle through agile development practices, Continuous Integration and devops best practices; research new technologies and trends; manage a team of developers and web engineers. I work day to day in conjunction with business stakeholders and senior IT leadership to shape and plan the technology direction for the agency.

Office365 Enterprise management and integration



Various aspects of integrating on premise applications and data with Office365

AWS EC2, S3, RDS, Cloudfront



Management of and utilization of Amazon AWS infrastructure for development of new applications

NFS



NFS infrastructure design and management for applications with need for highly available shared storage

Enterprise Architecture



Broad planning and strategy for data management and distribution, application development standards and application infrastructure

Web Development



PHP, perl and RoR based development with some front-end HTML+JS

Linux System Administration



Open Source



Years of experience with open source tools from an integration, development and licensing standpoint

mojolicious



perl modern MVC web development framework

Load Balancing



Sr. Engineer, End User Collaboration

Mar 2010 - Aug 2011

Morgan Stanley

At Morgan Stanley, I worked as an Engineer tackling problems and devising creative solutions to address the various needs of the firm's email delivery infrastructure and related applications. This role required both in-depth knowledge of standards based mail delivery infrastructures that operate on a large scale as well as custom developed end user applications that interacted with the mail delivery plant: message-blast applications integrating with directories, data repositories and content management systems, high profile fax receipt and delivery systems and mission critical mail compliance infrastructure. This role required an ability to work with multiple teams, interface with a variety of internal platforms and ensure maximum reliability.

Comfortable engaging at all levels from senior IT leadership to engineers and support staff.

SVP, Dir. of IT

Oct 2007 - Mar 2010

WPP/Grey Group

Having started my time at Grey planning and implementing a global initiative to migrate the directory and messaging infrastructure to a single Active Directory / Exchange 2007 design, I graduated into a role that took responsibility for overall computing infrastructure and systems architecture. The major initiatives I focused on during this time were:

- Massive move from discrete physical server and storage architecture to a virtual computing environment and shared storage.
- Automating data lifecycle management, provisioning/de-provisioning, virtual systems deployments and desktop systems.
- Implementing Sharepoint and various content management systems to modernize storage and distribution of unstructured data and website management.

Messaging Engineer

Apr 2006 - Oct 2007

Morgan Stanley

Tackled a variety of problems and developed solutions to meet the demands of a large, mission critical Exchange messaging environment. Common projects included: automating solutions to ensure compliance with regulatory demands, building tools to manage configuration across a large global messaging plant, designing and implementing a migration path from Exchange 2003 to Exchange 2007. Typical day to day tasks included solving severe plant outages and determining root cause and remediation, designing tactical solutions to work around product bugs or environment issues.

Bachelor of Arts (B.A.)

1994 - 1997

University of Arizona

Commercial F5, open source HAproxy, cloud based and many flavors in-between

Shell Scripting



Bash, Shell for application glue code and systems management

Wordpress



Development of custom plugins and themes for both small microsites and large enterprise applications

LDAP



In depth familiarity with Enterprise directory technologies and architecture

Shibboleth



MongoDB



JavaScriptMVC



Backbone.js

Node.js



jQuery



JavaScript



Backbone.js



Amazon Web Services (AWS)



Postfix



Nginx



Varnish



SAML 2.0



Ruby



Python



Cloud Computing



Integration



Microsoft SQL Server



VMware



SharePoint



OpenLDAP



MySQL



Virtualization



Apache



Qmail



Java



System Administration



Windows Server



Linux



IIS



Disaster Recovery



Active Directory



Powershell



Microsoft Exchange



Perl



