**Mr. Jeremy Donson => New York City Hands-On Development Team Support & Engineering Roles \*Only\***

CANDIDATE SUMMARY  
**Wanted:** Proactive role where technical communication, developer teamwork and hands-on engineering require proven expertise.  
**Current Role:** PAAS + IAAS development team support, testing & platform automation engineering at Bank of America, NYC.  
**Titles Held:**  architect, web & data systems test engineer, admin, developer, tech project manager, migration workflow data analyst  
**Next Steps:** Briefly discuss related growing development team code and data challenges with Technical Hiring Managers by phone.  
  
TECHNICAL SUMMARY **Workflows Supported:** test-driven code pipelines, responsive uidev teams, netsys storage & container service provisioning  
**Standard Tools:** bash, git, vi, curl, test, functions, decorators, jira, travis, \*nix, winserver, mariadb, python, ansible, diagrams  
**Software Languages Supported:** bash, C, ruby, python, java, lua, node, perl, php, go **Provisioning Targets:** vagrantEtc => virtualBox => linuxKvm => public or private hybridCloud => bareMetal clusters **Operating Systems Supported:** Ubuntu, Debian, RedHat, CentOS, OS X, Windows Developer, Windows Server, coreOS  
**Private Deployment Targets:** Federated cloud web and data security solutions using OpenShift,OpenStack, Ceph, Nuage, Scality. **Public Deployment Targets:** github, aws, digital ocean, gcloud, cf, pantheon, turbobytes, fastly  
  
WORK EXPERIENCE  
**Development Team Support, Testing & Platform Automation Engineer at Bank of America, NYC: March 2016 - Present**Automation of infrastructure on kvm & bare-metal hosts (BMP) using OpenStack Mitaka and RedHat OpenShift and CloudForms. Developer and admin team onboarding, training, manual testing, debugging, team coordination of new releases and other related service components. Advanced federated security and high-availability Ceph/MariaDB/MongoDB solutions. Tools: travis, ansible, python, CloudForms/ManageIQ, RHEL7, Artifactory, WinServer, aws, gCloud, ruby, gitlab, foreman, vagrant, puppet, docker, coreOS, Jenkins.

**Development Operations Engineer & Technical Project Manager at Credit Suisse, NYC: May 2015 - February 2016**  
Complete hands-on migration of multiple high-speed algorithmic trading apps from external vendor into internal low-latency network data center with "naked access" to trading exchanges. Constructed complete plan fir network, app and data migrations and testing under heavy time constraints, and in coordination with multiple internal business units and external vendors. Migrated and tested apps, assisting development teams and operations engineers.  All migration goals were met under deadline with no adverse impact to the business, developer workflows, nor to externally connected clients. Hands-on engineering included deployments, configuration management, release management, code testing, dev support, log aggregations and real-time filtering.  
Tools: rvlat, tibco, netstat, zsh, svn, curl, git-github, C++, MySQL, Oracle.

**Dev Ops Engineer, DBA & Software Architect at Adprime Media, NYC: December 2014 - March 2015**  
Adprime Media's Real-Time Health Web Ad Bidding Exchange Platform allows advertisers to optimally target publisher traffic with highly strategic online marketing campaigns. Technical requirements were escalating rapidly in many respects due to rapid growth. In addition to working through regularly scheduled support and developer requests, we standardized their LAMP and MEAN stacks and trained their engineers and development team to use git/github, as well as to leverage expert database technologies and services.  
Lots of Drupal7 and MySQL and MEAN stack data engineering and automation.

**Open Source LAMP Engineer at The Economist, NYC: July 2014 - October 2014**  
This top-tier magazine was in need to complete web site and phone app overhaul with four major challenges:  
 1. Turn a print-first publishing effort (since 1850) into a test-driven and responsive mobile-first design initiative.   
  2. Development and production ISP hosting services needed to be rapidly migrated to Amazon Web Services.  
 3. Migrate from internal svn to source code management using git and github. com.   
 4. Migrate to Drupal 7 Web CMS, as Drupal 6 was rapidly becoming obsolete.  
Each of these major tool and workflow changes was achieved on deadline, without interrupting ongoing development work.   
Supported IT, development, engineering, architecture of LAMP environment with large and geographically distributed developer and engineering teams. Provided complete hands-on solutions for migrations, systems and database scaling, failover, notifications, alerts, security, new dev on-boarding, testing, CDN engineering. Trained user interface developers in responsive ui web testing, git and github.

**Database Architect, Engineer & Developer at Google Play, NYC: March 2014 - June 2014**  
Hands-on network data systems and python development solutions for legal media rights division of Google Play, formerly RightsFlow.  
Complete MySQL fail over data center planning, scheduling, testing and implementations. All python3 MySQL recoding and instance upgrades from version 5.1.x to version 5.5.37, including SQL\_MODE='TRADITIONAL' and INNODB STRICT mode to make MySQL much more Oracle-like. This included many stored procedures, bash scripts and python apps.  All production changes were of \*\*no\*\* adverse impact to production.  Trained dev teams to use git/github, and to write python and MySQL code using best practices.  
Customized federated dba-dashboard (bash, git, php, python)  for real-time data stats and database processing job monitoring and tracking.

**Technical Data Engineering & Software Architecture Consultant, NYC:   September, 2008 - February, 2014   
 CMS Architect, Engineer & Internal IT Manager at Centric Digital  
 Director of Web Services and Data Engineering at LocalVox**  
 **Drupal Architect/Developer and Big Data Engineer at CPX Interactive**  
 **Web Systems, Architect and Data Engineer at Columbia University   
 Software Engineer at ThinkDrop Consulting LLC**

**Drupal Developer and Architect at American Media**

**Drupal Architect, DBA, LAMP Dev Ops Engineer at Penton Media: February 2012 - May 2012**- Migrated about 75 large active sites to Drupal 7.x in ~3 months, sans adverse impact to the business.   
- Assisted developers and admins with all planning, testing, training: on-boarded dozens of magazine web dev teams.  
- Data center and web app operations scale-up using MySQL network clustering and replication solutions.  
- Architect stored routines in Core Drupal 7 API to vastly reduce PHP code complexity and improve performance.

**Software Architect and Operations Engineer at Wendr**: **January 2012 - April 2012**- MySQL/LAMP Operations Data Center infrastructure design & testing. Custom network web systems and database engineering.  
- iPhone iOS 5 ObjC application architecture and testing . LAMP server REST OOP API architect  and engineer.  
- Operations and data stats, monitoring, thresholds and notifications. Automated web app tooling and testing.

**Database Systems Engineer & Data Warehouse Architect at Barnes & Noble, NYC: January 2011 - October 2011**  
 - Clustered MySQL Engineer: Architected, deployed & migrated dozens of MySQL instances.  
- Drupal- LAMP-Java Team Dev Ops Engineer: Testing logic & performance while promoting code thru git repos.  
- Multi-Petabyte Data Warehouse Engineer/DBA: Aster nCluster & MicroStrategies data analytics.  
- Search Engine Marketing & Optimization Project: Logical & physical data architect for semantic retail search analytics project.

**Technical Data Engineering & Software Architecture Consultant, NYC:   September, 2008 - December, 2010**

**- adMarketplace, Inc**All Network Data Operations, 24-7. Python, PHP + Stored Procedures + SEO-SEM API. Provided all back-end network architecture & dev team support for online search keyword exchange. MySQL & R Stats Data Warehouse Automation: InfoBright + R.

**- Yahoo, Inc / RightMedia, Inc**   
Advanced Drupal 6.x & PHP 5.x Team Dev Web App API Integrations. MySQL 5.1 / 5.5 Upgrades; Advanced Stored Procedure Dev and Tuning. Designed benchmarks for massive scaling of network grid data operations. Supported Drupal and LAMP apps for many dev teams, including several software localization and internationalization teams.

**- Athena Capital Research LLC**   
After re-architecting all of their data real-time data services for Multi-Petabyte Financial Service Trading Systems,  
rolled-out federated data centers around the world. Complete Back End Renovation Sans Production Impact.   
Tools: C++/Ruby Dev Team Code Testing & 24/7 Network Operations

**Senior Database Administrator & PHP Developer at Hearst Digital Media: February 2008 - September 2008**- Supported 20+ instances of MySQL 24/7 using InnoDB & Replication, including code testing & change management.  
- All performance tuning and network failover solutions designed for maximum performance, uptime and fast recovery.  
- Supported large development teams with baremetal dev stack, data and network host infrastructure.  
- Architected and automated MySQL Data Warehouse for weekly analytical demographics & statistics reporting.

**Drupal Architect, Developer, LAMP Engineer at Rodale Publishing, NYC: April 2007 - January 2008**   
- Giant magazine publisher with no LAMP infrastructure decided to bring Drupal 6.x in-house while doing massive web site overhaul.  
- While supporting a team of Drupal developers, provided complete migration support from legacy proprietary CMS to LAMP stack.  
- Coordinated with Rodale LAN Unix and Java dev teams to bring Drupal / LAMP stack in-house, including migration from Oracle.  
- Taught existing Rodale IT Unix Admins and Oracle DBA’s how to manage and troubleshoot network MySQL 24/7.

**Faculty Coaching For K-12 Tests With Stanley Kaplan, NYC:   September 2004 - March 2007**  
Trained principals and faculty across NYC to engage kids in mastering K-12 test prep strategies.  
Built statistical data warehouses from raw NY State exam and student performance data using MySQL open source database.

**Network Media, Publishing & Telephony Test Lab Manager / Engineer at Miller Freeman, NYC: 2002 - 2004**  
Designed and managed new technology testing laboratory focused on cutting-edge network media, publishing and telephony technology. Engineered all systems and data testing to improve trade shows, corporate IT infrastructure and technical mag review articles.  
Coordinated promo vendor tools / frameworks for system load testing, application profiling and benchmarking.  
Wrote many published articles on optimizing network server throughput and parallelization of database server loads.  
  
**Custom Data Warehouse Engineer, Architect, Developer & Administrator  
CitiBank, Inc: 2000 - 2002. JP Morgan / Chase Manhattan Bank: 2001 - 2003.**Hired by CitiBank Marketing Division to audit massive batch processing of marketing data by vendor: Acxiom, Inc.Developed auditing scripts to verify, track and report errors changes in batch inputs and outputs.  
This work evolved into internal data hosting and reporting platform for historical time-series data trending.  
Tasked by CitiBank Management to migrate historical data into new in-house Custom Time Series Data Warehouse.  
Hosted and organized about ten years (2+ petabytes) of credit card demographics and financial banking data.  
  
**TECHNICAL CERTIFICATIONS PENDING: 2017**  
- AWS Professional Cloud Architect  
- CloudForms Cloud Orchestration and Management (Downstream From manageIQ.org)  
- OpenStack IAAS Private Hybrid Cloud Administration and Engineering  
- RedHat OpenShift App & OS Container Hosting Platform  
  
**CURRENT TECHNICAL CERTIFICATIONS HELD**  
- Enterprise Database Administrator & Database Developer: MySQL  
- Enterprise Database Administrator & Database Developer: Oracle  
- RedHat 6 Linux Systems Administrator & Engineer  
- Apple OS X Certified Systems Administrator

EDUCATION  
**- Columbia University, NYC: 2000 - 2002**Enterprise Application Development, Database Analysis, Design & Development Program.  
Complete logical and physical database developer and administrator training, followed by multiple DBA certifications.  
  
**- University of San Francisco - Department of Biochemistry: 1990 - 1993**  
Pre-Med, Biochemistry & Molecular Genetics   
Published research findings with Dr. John Cobley, PhD. Taught nursing biochemistry courses for two semesters.  
  
**- University of California, San Francisco - School of Medicine: 1990 - 1993**  
BS, Molecular Medicine & Biochemistry  
Noteworthy Professors: Dr. Bruce Alberts, Dr. Michael Bishop, Dr. Harold Varmus  
  
**- Sarah Lawrence College : 1986 – 1990**BA, Philosophy, Math and History of Science