

[REDACTED]
61 Yeats Run Northampton, PA 18067

[REDACTED] Mobile

Cloud Engineering/DevOps Professional

“John is that unique individual who quickly and fearlessly absorbs new material and generates comprehensive solutions to daunting problems. He is professional and efficient and actively makes his workplace and easier place to work for himself and his co-workers”– *Former Supervisor*

[REDACTED]

***Versatile, Innovative, Self-Motivated, Hands-on, Polyglot** professional with over 15 years of experience who is passionate about crafting solutions. Track record of solving problems, accepting challenges, and delivering value. Consistently meets or exceeds deadlines, handles multiple projects, and excels in stressful, fast-paced environments. Ability to quickly absorb and integrate new information and technologies and put into immediate use. Self-starter, tinkerer, explorer, big thinker and autodidact. History of providing technical leadership and mentoring, yet always looking to gain insight from the experience of others.*

Relevant Skill Set / Keywords: Splunk, ESX, Vagrant, Chef, Ansible, Openstack, AWS, Cloudformation, S3, SQS, RDS, Lambda, ECS, Kubernetes, Hadoop, Cassandra, Lucene, Sinatra, REST, ELK, Docker, Linux, Perl, Python/Jython, PHP, JavaScript/jQuery/Angular, Ruby/JRuby, SQL, ksh/sh/bash, Java/Android, Oracle, Sybase, Neo4j, Udeploy, MySQL, SQLite, k6, NewRelic, Autosys, ControlM, Grafana, InfluxDB,, Spidey sense ;), Disaster Recovery, Integration, JBoss, Tomcat, DevOps, ChatOps

Relevant Experience

Wizehive - DevOps Engineer December 2017 - Current

Hired as initial Devops Engineer to scale product team growth. Managed all aspects of AWS hosting (budgeting, backups, compliance, patching). Migrated microservice architecture to ECS from custom Chef/Opsworks services. Redesigned microservice architecture to follow 12 factor principles. Applied immutable infrastructure deployment patterns leveraging CircleCI and cloudformation. Deployed ELK/TICK stacks for logs and metrics collection and integrated with slack/cloudwatch/pagerduty. Implemented CI/CD pipelines, release patterns, and developer branching workflow. Automated security audits as part of the release pipeline. Wrote performance tests using k6 and NewRelic required for scaling services for increased customer volume. Redesigned background job system from mysql based to SQS for increased job throughput and scaling. Handled all aspects of production infrastructure/cloud support.

EPAM - Systems Engineer June 2017 – Nov 2017

Designed and delivered POC solution of integration of kerberized AWS EMR clusters (Hadoop secure mode) and core infrastructure services (spark, kafka, etc). Established Kerberos infrastructure. Developed automation to bootstrap multiple Kerberos trust relationships with EMR clusters, distributing keytabs, and creating required service principals.

EPAM - DevOps Architect January 2017 - June 2017

Worked within a small team to deliver a redesigned REST endpoint MVP for a core legacy data service in AWS, then delivered the solution to production while maintaining availability and transition for the various dependent downstream services. Established Jenkins CI/CD pipeline including deployable feature branches, code reviews, bug tracking metrics, quality gates, smoke and integration testing, then migrated pipelines to GoCD for customer preference. Established and automated infrastructure for Cassandra datastore and managed multiple Cassandra clusters for DEV/Test and QA and PROD environments. Established delivery of spark clusters and automated deployment of streaming processes to the clusters. Containerized applications for deployment and testing on kubernetes. Established workflows for feature branching and release merging. Optimized JVM for both the application and Cassandra. Captured logs and metrics across all layers of the stack and designed Elasticsearch and Grafana dashboards for executive and operational consumption. Created various slack/chat bots for notifications, metrics, and environment information querying. Automated testing and playback of production requests to debug various issues around the distributed system. Trained customer operations staff on AWS and cluster management.

EPAM - DevOps Architect June 2016 - December 2016

Worked within a small team to design and deliver customer's next generation data distribution platform. Established TeamCity CI/CD infrastructure and processes for containerized .NET core on linux with deployment on AWS ECS. Architected and implemented infrastructure using cloudformation for the ECS cluster and supporting buckets, VPC, security groups, etc. Established monitoring and metrics gathering/alerting.

Delaware Investments - Cloud Integrator September 2012 - June 2016

"SWOT" team lead for the Datacenter Migration as part of the acquisition by Macquarie. Provided the data flow and capacity analysis, staged migration to maintain services without disruption. Provided 3rd level technical support to all critical issues. Daily responsibilities included application infrastructure requirement assessments, ensuring EA design patterns were followed, coordinated infrastructure delivery with internal service providers and project teams, 3rd level support for 24x7 operations. As Cloud Integrator, lead technical design of application migrations to AWS and OpenStack, provided developer

and operational cloud training, developed the migration schedule, plan and cost estimates for datacenter exit. Participated in design and development of infrastructure delivery pipeline utilizing AWS Cloudformation and Open Stack Eucalyptus

Additional Responsibilities at Delaware Investments included: Leading technical initiatives and provided analysis to facilitate the separation of Delaware Investments information systems from Lincoln Financial and integration into Macquarie networks. Point of contact for technical escalations throughout the migration process. Developed solutions and managed production issues for maintaining application availability during the integration.

- Migrated distributed applications and infrastructure to new networks / datacenters
- Develop and document Disaster Recovery plans and testing for application systems.
- Rebuilt all data flows and infrastructure to adhere to Macquarie's security and development standards.
- Administer FTP/SFTP/SSH /SSL/PGP environments and public/private key infrastructure.
- Provide local GNU/*nix support and training for developers.

Robert Mark Tech - Senior Consultant/Developer May 2008-May 2010

Provided services for various Fortune 500 companies across multiple industries to architect, implement, upgrade, develop and/or provide training for various business automation systems. Interviewed business stakeholders and technical personnel to gather business requirements and develop solutions. Developed and integrated applications into automation workflows. Developed tools to convert workflows from various automation systems such as Tivoli, cron, CA7, Cybermation dSeries and others. Utilized HA/VM solutions including VmWare, Oracle RAC/DataGuard (9/10/11g), HACMP, Veritas Clustering, etc to develop High Availability and Disaster Recovery architectures. Leveraged AWS infrastructure for automated builds of development and testing environments. Clients include **Regions Financial, Depository Trust and Clearing Corporation, Pfizer, Wyeth, Bose, Aflac, and Mattell.**

- Provide customer staff and operational training for workload applications.
- Develop best practices/architectures/toolsets for Automation consultants.
- Architecture, requirements gathering, gap analysis and installations of Automation applications.
- Develop custom tools to support customer automation needs. (bash, python,ruby)
- Leveraged AWS infrastructure and Chef/Vagrant for automated builds of development and testing environments.

Astrazeneca - Systems Architect August 2006 –July 2008

Hired to architect and manage distributed enterprise batch processing services and lead the effort to upgrade Autosys 4.0 systems to 4.51. Provided technical leadership and service management for batch processing infrastructure in HPUX and Windows environments. Performed product evaluations and distributed batch processing consulting for various business units. Ensured systems compliance with corporate security policies as well as FDA regulations through systems validation. Developed disaster

recovery plans and participated in testing of batch processing systems. Performed systems administration duties, including performance tuning and systems maintenance.

- Developed automated monitoring scripts and alerts using, perl, ruby, python, PHP, and shell scripting.
- Interfaced with users and business stakeholders in order to determine batch systems and development requirements.
- Managed level 2 support teams provided by IBM.
- Develop and document Disaster Recovery plans and testing for batch systems.

Advanta - Systems Engineer December 2005-August 2006

Re-architect and develop new data warehouse ETL processes. Redesigned ETL workflow execution to use atomic points of failure and a smaller code-base allowing for easier management, maintenance and support. Ensured timely delivery and transport of data feeds to and from internal and external sources utilizing automated FTP, SFTP, NDM and PGP encryption and decryption. Provided training for existing developers on perl scripting and Autosys development/administration. Performed Autosys administration and system support duties.

- Implemented automation on AIX using Oracle utilities, PL/SQL, Perl, shell scripting, and C.
- Migrated all cron daemon jobs to Autosys.
- Created process standardization, tools, documentation and flowcharts.
- Integrated all automated processes with existing web applications
- Designed, developed and implemented ETL automation
- Provided technical support and debugging for existing systems and

applications. ***Sungard - Systems Developer*** January

2002-December 2005

Hired as a systems engineer for a high pressure 24x7 datacenter providing financial services and systems for some of the largest banks throughout the world. Performed root cause analysis, critical systems support, and administration duties. Promoted to technical team lead after first year and recognized as departmental employee of the year after second year for outstanding client technical support and operational productivity gains. Promoted to Systems Developer and given charge of distributed batch processing systems. Architected Autosys systems implementation and led upgrade effort. Transitioned critical job infrastructure maintaining cross-instance dependency integrity and high availability throughout the process. Developed various operational monitoring and automation tools allowing for higher service levels, greater operational productivity, and increased workload capacity without increasing existing staff requirements. Utilized a wide range of technologies such as the LAMP(Linux/Apache/MySQL/PHP) stack, PL1, C, XML/RSS feeds, XHTML, SQL, Lucerne, PL/SQL, JMS/MQ messaging, JavaScript and PDF report generation.

- Performed installation and remote administration of AIX and Redhat Linux systems.
- Assisted in development, design and implementation of core operations automation.
- Automated core EOD transaction systems converting legacy PL1 code to C.

- Provided support for critical systems, applications and LAN/WAN infrastructure.
- Implemented automation for external clients, gathering requirements and following SDLC standards
- Maintained, debugged, and developed critical job streams using ksh and perl scripting.