Pythian Team Resume
Site Reliability Engineering

Pythian's SRE team delivers a range of services to cover all your enterprise system needs, including automation and configuration management, disaster recovery, platform migration, intelligent monitoring and performance metrics.

Pythian's SRE team of experts, with decades of combined experience and multiple certifications, work alongside your team to help design, implement, optimize and automate workloads either on-prem, in the cloud or in a hybrid configuration.

Areas of Expertise

Operational Visibility
- Collection, management, and analysis of performance data
- Visualization and dashboarding
- Monitoring and alerting

Operational Support
- Service requests
- Incident management and response
- Change management
- Capacity management
- Currency management
- Performance management
- Oncall services and support
- Problem management Resolving recurring problems through the strategic use of automation to lower the total-cost-of-ownership (TCO) of systems

Security
- Auditing and best practice review
- Infrastructure hardening
- Access control management
- Defence in depth
- Regulatory and compliance enforcement

Backup and recovery
- DR planning and architecture
- Backup solutions

Migration support
- Application architectures (monolithic, microservice)
- On-premise to cloud
- Cloud to cloud

Architecture and design
- Lifecycle management
  - Provisioning
  - Release management frameworks
  - System patching framework and strategy
  - Decommissioning
- Configuration management/ Orchestration
  - Infrastructure as code
  - Repository management
  - Code promotion strategies
- Streamlining and accelerating development processes to adapt to evolving business needs.
- Ensuring high system availability to support business-critical revenue applications through best-in-class design, architecture, and operations.

Pythian

Technology areas we work with

- Public, private, and hybrid clouds
- Operational Visibility
- Microservices

- Authentication, Authorization and Access Control
- Continuous Integration/ Continuous Delivery

- Lifecycle Management
- Code Management Tools
- Configuration Management/ Automation Tools

Certifications/Professional Memberships

Microsoft
Microsoft Most Valuable Professionals (MVPs)

Microsoft Partner – Gold Data Platform

Microsoft Partner - Silver Cloud Platform

Microsoft Certified Trainer

Microsoft Certified Master

Microsoft Certified Systems Administrator

Microsoft Certified Solutions Expert

Microsoft Specialist: Cloud Data Platform

Kubernetes
Kubernetes Administrators through Cloud Native Computing Foundation (CNCF)

Cloudera
Cloudera Certified Administrator for Apache Hadoop

Cloudera Certified Developer for Apache Hadoop

Google
GC Associate Cloud Engineer

GC Certified Professional - Data Engineers

GC Certified Professional - Cloud Architects

GC Cloud Security Engineer

GC Cloud Network Engineer

Google Cloud Sales Certified

AWS
AWS Certified Solutions Architect – Professional

AWS Certified Solutions Architect – Associate

AWS Certified DevOps Engineer – Professional

AWS Certified SysOps Administrator – Associate

AWS Certified Developer – Associate

AWS Certified Cloud Practitioner

AWS Certified Advanced Networking – Specialty

AWS Certified Big Data – Specialty

AWS Technical Professional Accreditation

AWS Business Professional Accreditation

Puppet
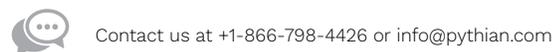Puppet Certified Professionals

VMWare
VMWare Certified Professional - VCP6-DCV

VCP 6.0 DCV

VCP 6.5 DCV

VMWare VCP 5

VMWare Certified Associate Datacenter Virtualization

ITIL
ITIL V3 Foundation Certified in IT Service Management

ITIL Operational Support and Analysis

Projects

- Powershell scripting for Azure data migration

- Various Powershell based reporting and customized scripts for automation

- Spearheaded automated patch management solutions for multiple clients

- Creation and development of F5 custom iRules for load balancing traffic management, custom syslog entries and browser redirection techniques.

- Performed SSL cipher suite hardening and CA encryption adjustments towards best practices for PCI and other security compliance standards.

- Complete end to end VMware management and upgrades

- Data Center application migration including, assisting with the planning and execution of network changes, interviewing application owners for appropriate requirements, designing appropriate rules and F5 configs, and providing documentation of the new environment.

- Spearheaded configuration management, infrastructure automation, and patch management solutions for multiple clients.

- Designed, deployed, and maintained an operational visibility stack of technologies that provided alerting, metrics, and trend data for multiple clients.

- Proposed a migration to AWS for a client that resulted in a $72,000 savings in annual operational expenditure.

- Initiated and maintained a highly elastic and scalable cloud environment for a client that was capable of scaling up to handle intense bursts of load and scale back down when load normalized to realize cost savings.

- Designed, deployed, and maintained a cloud-based environment for a major mobile game developer.

- Leveraged a cutting-edge containerization solution and orchestration tools to deliver a cloud-based, auto-scaling environment.

- Architected and performed multiple Physical to Virtual (P2V), Virtual to Physical (V2P), and hybrid environment migrations in VMware and public cloud providers (such as LE, AWS, Rackspace, etc.)

- Migration of multiple LAMP environments from Softlayer to GCP/K8s

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OFFICES

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