Azure DevOps Engineer

**Job Description**Technical

* Must have worked in DevOps (IaC) area of IaaS, PaaS and SaaS services; worked on Infrastructure as Code (eg design and deployment of ARM templates, Terraform and PowerShell)
* Broad knowledge and passion for Microsoft Azure, including but not limited to Virtual Networks, ExpressRoute Circuit, Azure Firewall, Hybrid networks, CI/CD, Azure DevOps, Network Security, Network Segmentation, and Automation
* Experience and knowledge about Traditional (on-premises) Network Infrastructure including but not limited to DNS, Routing, WAN, etc.
* The ability to plan for service availability, and disaster-recovery scenarios for the full range of products within the portfolio; Design, development, security and implementation of Azure products for internal Azure customers
* Responsible for API development and integration
* Enable them to consume Azure services in a secure and compliant way.
* Experience with CI/CD You have experience in orchestration of application infrastructure through code (> 1 year)
* Automating and orchestrating workloads across multiple public cloud providers
* Familiarity with automation management systems e.g. Terraform, Salt, Azure Resource Manager, Puppet, AWS Cloud formation (including design and implement build, deployment, and configuration management)
* Test implemented designs
* Build and test automation tools for infrastructure provisioning
* Handle code deployments in all environments
* Monitor metrics and develop ways to improve
* Provide technical guidance and educate team members and co-workers on development and operations
* Brainstorm for new ideas and ways to improve development delivery
* Consult with peers for feedback during testing stages
* Build, maintain, and monitor configuration standards
* Maintain day-to-day management and administration of projects
* Manage CI and CD tools with team
* Work with customers and other teams to troubleshoot customer environments
* First point of contact for incident management, providing guidance and recommendations for issue resolution
* Document and design various processes; update existing processes
* Improve infrastructure development and application development
* Follow all best practices and procedures as established by the company
* Advises stakeholders of implemented changes and anticipated effects on business.
* Documents changes, measures impact of changes, and adjusts approach where necessary.
* Coordinates activities across the Applied Intelligence domains, i.e. Robotics and Cognitive Automation, Cognitive and Behavioural Insights, Cognitive Engagement

Financial Management

* Assists in supporting Cost analysis of cloud computing and DevOps resources

People management

* Creates an environment in which learning and development are emphasised and valued.
* Encourages cross functional team members to express their views, resolves issues raised by the team, escalates issues if required, and provides feedback to teams on an ongoing basis.

Process

* Integrating inputs, making recommendations for change, and measuring impact.
* Involved in redesigning service models to incorporate new ways of working and new 4th Industrial revolution capabilities.
* Designing cohesive and efficient value chain processes.

Other:

* Establish and maintain relationships with key stakeholders.
* Demonstrable improvements in business KPI’s, which are directly relatable to data-informed efforts.
* Drive and implement a decision framework for upcoming work, ensuring the resolution and timely escalation of any conflicting priorities.
* Risk control procedures are implemented effectively.
* Additional skills for career advancement are acquired, as assessed by stakeholders and manager.

**Responsibilities**Technical  
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Experience and knowledge about Traditional (on-premises) Network Infrastructure including but not limited to DNS, Routing, WAN, etc.  
The ability to plan for service availability, and disaster-recovery scenarios for the full range of products within the portfolio; Design, development, security and implementation of Azure products for internal Azure customers  
Responsible for API development and integration  
Enable them to consume Azure services in a secure and compliant way  
Experience with CI/CD You have experience in orchestration of application infrastructure through code (> 1 year);  
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Familiarity with automation management systems e.g. Terraform, Salt, Azure Resource Manager, Puppet, AWS Cloud formation (including design and implement build, deployment, and configuration management)  
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Involved in redesigning service models to incorporate new ways of working and new 4th Industrial revolution capabilities.  
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Other:  
Establish and maintain relationships with key stakeholders.  
Demonstrable improvements in business KPI’s, which are directly relatable to data-informed efforts.  
Drive and implement a decision framework for upcoming work, ensuring the resolution and timely escalation of any conflicting priorities.  
Risk control procedures are implemented effectively.  
Additional skills for career advancement are acquired, as assessed by stakeholders and manager.  
Manage CI and CD tools with team  
Work with customers and other teams to troubleshoot customer environments  
First point of contact for incident management, providing guidance and recommendations for issue resolution  
Document and design various processes; update existing processes  
Improve infrastructure development and application development  
Follow all best practices and procedures as established by the company  
  
**Skills And Experience**2-3 years work experience  
**Education**Bachelor of Arts and Sciences (BASc): Computer and Information Science (Required)  
**Closing Date**10 December 2020

**Seniority Level**

Entry level

**Industry**

* Banking

* Insurance

* Financial Services

**Employment Type**

Full-time

**Job Functions**

* Other

Company NameDatafin Recruitment Company Location Cape Town, Western Cape, South Africa

**No longer accepting applications**

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**Environment**A dynamic cloud solutions provider seeks the expertise of a highly technical Azure DevOps Engineer to join its team. You will be expected to translate cloud architectures into deployable code (IAC), working on a diverse range of projects tackling complex and technically challenging automation requirements for a range of customers within the Azure sphere. You will require at least 5 years IT experience with 3 being in infrastructure in a design or implementation capacity, be able to work in an Agile environment, be skilled in cloud tech including: IaaS, Paas, SaaS as well as Linux, Windows, Active Directory, PowerShell, Bash, .NET Azure App Service, Azure SQL, etc.  
  
**Duties**Interpret cloud architectures into deployable code (IAC) using industry standard tools such as RM PowerShell.  
  
Capture user stories and translate into technical requirements.  
  
Manage and prioritise development backlog and assigned tasks, clearly report status and progress.  
  
Produce high performing, well documented code and training materials.  
  
Co-ordinate and manage full testing of new designs.  
  
Consult with peers for feedback during testing stages.  
  
Develop build and test automation tools for infrastructure provisioning.  
  
Implement metrics and develop ways to improve our deployments.  
  
Provide technical guidance and educate team members and co-workers on development and operations.  
  
Brainstorm for new ideas and ways to improve templates and delivery.  
  
Build, maintain, and monitor configuration standards.  
  
Maintain day-to-day management and administration of projects.  
  
Management and maintenance of CI and CD tools.  
  
Document and design various processes; update existing processes.  
  
Maintain ARM template repositories, define and manage branching & version control.  
  
Improve infrastructure development and application development.  
  
Follow all best practices and procedures as established by the company.  
  
Ensure security and integrity of DevOps platform and customer secrets, tokens, and certificates.  
  
Implement tools for managing security and compliance in the pipeline.  
  
Create, administer, and maintain certain integration point solutions with other systems or data streams.  
  
System troubleshooting and problem solving across platform and applications.  
  
Suggesting and implementing approved tools architecture improvements.  
  
Be proactive about learning new technology and Research and Development.  
  
Act as a subject matter expert and escalation point for Azure DevOps.  
  
Train and guide the Practice areas and Operations team in DevOps practices and procedures.  
  
**Requirements**Minimum 5 years IT experience with 3+ in IT Infrastructure in a design or implementation capacity Architect, Senior Engineer or Consultant.  
  
Ability to work in an Agile environment.  
  
A good understanding of the full software life cycle, including requirements, design, development, testing, and maintenance.  
  
Server operational experience (both Linux and Windows).  
  
Understanding of cloud technologies (IaaS, Paas, SaaS).  
  
**Microsoft Azure, Understanding Of The Following**Load balancers, DNS, virtual networks and firewalls.  
  
Azure App Service, Azure SQL, Azure Service Fabric, Azure Storage Account, Virtual Machines.  
  
Monitoring, Log Analytics, performance metrics.  
  
Active Directory basics.  
  
Azure AD authentication.  
  
Users and groups.  
  
Roles & RBAC.  
  
ARM templates writing, setup automation for resource provisioning.  
  
Azure PowerShell.  
  
Experience of Automation of infrastructure services on Azure using Runbooks.  
  
Experience of PowerShell, Bash and .NET.  
  
**Proficiency With Azure DevOps And Visual Studio Including**Creation & management of CI/CD Pipelines  
  
YAML  
  
Service Connections  
  
Artifact Repositories  
  
source control  
  
Test Management  
  
Release Management  
  
Good understanding of REST, HTTP protocol, JSON/XML & Webhooks.  
  
Working knowledge of databases including MS SQL and Mongo DB.  
  
**Nice To Have Skills**Experience of building Azure Logic and Function Apps.  
  
Azure Certification is a PLUS. Microsoft Certified Solutions Developer (MCSD) certification. Any of the 70-4xx (Azure DevOps Engineer Expert) or 70-5xx (Developing Microsoft Azure Solutions, implementing MS Azure Infrastructure Solutions, Microsoft Architecting Azure Solutions).  
  
Experience with Docker and Kubernetes.  
  
**Attributes**Confidence and ability to communicate well at all levels both verbally and in written form.  
  
Able to manage workload and adapt to changing environment.  
  
Able to use good judgement and discretion when handling confidential or sensitive information.  
  
An ethos of continual improvement.  
  
Creative problem solver with innovative approaches to problems.  
  
Good teamwork and interpersonal skills.