Ram Borude

Bellevue, WA 98007 | +1 425-209-5392 | ramborude10@hotmail.com| LinkedIn - linkedin.com/in/ram-borude

Summary:

I am result-oriented dynamic data engineer having 3+ years of experience in Data Engineering, have a strong understanding of algorithms, object-oriented design, distributed systems and data structures/analysis, and development with a good understanding of System Administration, skilled in Identifying and validating the key business requirements, analyzing, and modeling the business domain to create workflows and technical requirements fulfilled by existing and proposed software.

- Total **11 years 3 months of IT professional experience** in Data Engineer (3 years) and Production Site Reliability Engineer (8 years 3 months) as a vendor for **Microsoft Corporation**
- Extensive experience in Build & develop Automations using **Windows PowerShell & Python** scripting. E.g. (PowerPoint slide automations for Executive/ LTs)
- Ability to write extensive queries in **Azure Data explorer (Kusto)** with large data sets
- Excellent experience in writing **SQL, Data Warehouse** queries using various objects like views, tables, Joins, Sub Queries, triggers, stored procedures, and other advanced SQL concepts.
- Extensive experience in Design, implement, and continuously expand Azure Data factory pipelines (**ADF/Lens**) by performing extraction, transformation, and loading activities **(ETL)**
- Create data processing jobs (**Lens/ADFv2**) and ingest the data into data storage (e.g., SQL/Kusto/Synapse/Azure Data Lake)
- One click automated/custom reach out emails for all security groups to drive the security Program effectively using **Azure Logic Apps**
- LiveSite reporting automation for incidents and Customer support requests
- Ability to create visualizations using **Power BI and PPT reporting** and writing detailed business reports
- Good exposure to create and maintain/manage resources like ADFv2, Batch pools, Web apps, KeyVault (certificate management), PaaS SQL/Synapse
- Extensive knowledge on **PowerApps** for scheduling flow jobs.
- Good exposure on Azure Cloud as an **Azure Administrator** activities like create Azure compute resources, managing RBAC with experience of Migration from on-premises to Azure cloud
- Good exposure on **SQL DBA** activities, configuring maintenance jobs, Always On, performance tuning.
- Business requirement gathering from different stakeholders, Analyzing the data, proposing plan and estimations, feedback etc.
- Extensive knowledge on **Autopilot** deployment tool
- Extensive experience in Monitoring tools **SCOM** (MOM 2005, 2007 R2, OM12, and SCCM 2012) and **Geneva, XPing** along with **SCOM Management pack development in VSAE**
- Knowledge of using Team Foundation Server (**TFS**) and **GIT/OneBranch** for Version Control.
- Strong proficiency with core Microsoft Office Tools (Outlook, Power Point, Excel, and Word)
- Experience with the full Software Development Life Cycle (**SDLC**)
- Good exposure of creating Procedural and Troubleshooting Documents
- Excellent problem solving and analytical skills with a strong technical background and Ability to work to tight timelines
- Followed **Agile** and **Scrum** on Application Development

TECHNICAL SKILLS:

Languages	PowerShell, Python
Databases/Storage	SQL Server, Azure Data Explorer (Kusto), Data Warehouse, Azure Data Lake

Tools	- Power BI - Monitoring Tools SCOM (MOM 2005/2007 R2, OM12) - ACL Management, Secure File transfer - Autopilot - MS Visual Studio 2015/2017
Source Code Control	GitHub
Operating Systems	Windows server 2003/2008/2012/2016/2019, Windows 7/8/10

Professional Experience:

Tata Consultancy Services Ltd. (Client: Microsoft Corporation), Redmond WA   **Apr 2019 - Current**
Security Fundamentals Automation (Role: Data Engineer)
Description: Microsoft's Security Fundamentals Automation team is responsible to measure security for cloud infrastructure. The measurement is represented through the service portal using security KPIs. KPI Health application is used to monitor health of all security KPI Automations.
CPI Automation is a Control & Process Improvement automation which performs data and system analysis to generate reports for various security compliances, violations done by services/teams. These reports required analyzing, processing, orchestrating the data. The automation requires to extract data (billions of records) generated by various data sources. It uses SQL Server 2019/2016, Cosmos, Kusto, Azure Data Factories, Lens Orchestration and Azure Data Lakes to generate analytics and Power BI, Lens for reporting purposes in Azure infrastructure.
Responsibilities:
- Design, implement, and continuously expand data pipelines by performing extraction, transformation, and loading activities using Azure Data Factories, Lens orchestration
- Business requirement gathering from different stakeholders, Analyzing the data, proposing plan and estimations, feedback etc.
- Ensure that the data architecture is scalable, maintainable, and work with the business in designing and delivering correct, high-quality data
- Investigate data to identify potential issues within ETL pipelines, notify end-users and propose adequate solutions.
- Write extensive stored procedures, views, triggers, and SQL maintenance jobs
- Write extensive Azure data explorer (Kusto) queries, functions as per business needs
- Developing/Enhancing the Fundamental side report generator application to generate slides as per the requirement.
- Create/Enhance Azure Data Pipelines (ADF) and lens orchestration jobs to process and migrate the data from different sources to target.
- Ability to create visualizations using Power BI and PPT reporting and writing detailed business reports
- Create azure load balancers for web servers for high availability, Setup Internet Information Services (IIS) and troubleshoot, Setup standard/custom monitoring and alerting
- Analyze the feasibility and design of planned feature requirements
- Migration activities On-Premises infrastructure to Azure ARM
- Patch Infrastructure servers regularly to meet the security compliance
- Keeping service in compliance as per security standards
- Setup and automate key/certificate management utility on Azure (KeyVault)
- Release new application versions to production, installation of application updates and bug fixes.
- Automate and perform certificate rotations

- Prepare the Technical specification document of business requirements, Deployment, and Operation Support Guides (TSGs) for the release
- Maintain and improve already existing processes, Ongoing application maintenance and support
- Resolve support requests/Incidents within SLA, Production bug fixes & hot fixes support

Environment: PowerShell, C#, SQL Server Management Studio, Data Warehouse, Azure Data Factories (ADFv2), Lens Orchestration, Power BI, Azure Web Apps, Azure Batch Pools, Azure Data Lake, MS Visual Studio 2015/2017

Tata Consultancy Services Ltd. (Client: Microsoft Corporation), Redmond WA   Mar 2017 - Mar 2019
C&E Security Engineering (Role: Sr. Site Reliability Engineer)
Description: Microsoft's Security group owns many of the internal tools used by Microsoft. Such as for managing ACLs called **ACL Management system**: Provide extensive support for users on managing their ACLs using this tool.
Secure File Transfer tool is used for all Microsoft users for transferring files between different domains (including USME/Fairfax) where copy/paste options are not available. This tool provides 3 different ways of file transfer using- Web UI, Client UI and PowerShell cmdlets.
I worked on these different tools of C & E Security Engineering.
Responsibilities:
- Build and configure Autopilot environments/machines for application to help automatic releases/deployments
- Write extensive queries, stored procedures, views, triggers, and SQL maintenance jobs. Azure data explorer (Kusto) functions and queries per business needs for automation
- SQL Database administrator activities like SQL Always-On setup/maintain, improve DB performance
- On Azure Geneva platform create MDM/MDS/storage accounts, create custom monitors
- Azure security pack & Azure Watson monitoring setup for alerting security incidents
- Developing tools for key and repetitive tasks using PowerShell scripting
- Perform account rotations for service accounts
- Release deployment for any feature request using Autopilot tool
- Reporting LiveSite numbers using automations and Create visualization reports using Power BI
- Building and migrating physical infrastructure to Azure
- Load balancing web servers between different regions on Azure traffic manager
- Setup all standard monitoring on USME domain servers using ESCORT sessions
- IIS setup and troubleshooting, Proactive application Monitoring & Alerting using Geneva
- Troubleshooting any tool/environment related issues, customer reported issues and resolve support requests/issues per SLA
- Ongoing application maintenance

Environment: PowerShell, SQL Server Management Studio, Data Warehouse, Power BI, MS Visual Studio 2015

Tata Consultancy Services Ltd. (Client: Microsoft Corporation), Redmond WA   Feb 2011 - Feb 2017
MSG-Monitoring Operations & DCAT Operations (Role: Site Reliability Engineer)
Description: Microsoft's MSG group owns many of the internal tools used by Microsoft. These tools are used for Monitoring servers, URLs, and Azure. The Monitoring tools: SCOM (2007 R2 and OM12), SSMON, SCCM, DCAT
I worked on following different tools of MSG Sustain Engineering.
- System Center Operations Manager (2007 R2, OM12): SCOM is monitoring tool for windows, Linux/Unix, and network devices. It uses a single interface that shows state, health and performance information of computer systems. It also provides alerts generated according to rules and monitors defined in the Management Pack.
- Self Service Monitoring (SSMON): SSMON is a Self-Service Monitoring configuration tool, it allows properties to automatic SCOM agent install on their servers and excluding a server from agent install,

create port monitoring, create, and deploy Management Packs on their servers and configure URL monitoring on SCOM

- System Center Configuration Manager (SCCM 2012): Microsoft System Center 2012 Configuration Manager provides a comprehensive solution for change and configuration management for the Microsoft platform. System Center 2012 Configuration Manager lets you perform tasks such as the following:
  - Deploy operating systems, software applications, and software updates
  - Monitor and remediate computers for compliance settings
  - Monitor hardware and software inventory
  - Remotely administer computers

Responsibilities:
- Install agents on the Management Group and import Management Packs
- Troubleshoot Heartbeat and SCOM connector issues for SCOM agents & management groups
- Troubleshoot health issue on Management Servers and Root Management Servers
- Create service, event, and port monitoring Management Packs in VSAE and importing on Management Group after performing Quality Check
- Create overrides on Management pack rules and monitors
- Perform service account rotations on SCOM Management Groups
- Develop tools for key and repetitive tasks using PowerShell
- Resolve support requests/Incident within SLA, Production bug fixes & hot fixes support
- Release of new application versions to production, installation of application updates and fixes
- XPing(runners) Configuration setup on Azure VMs
- Create custom Monitors, dimensions, ICM alerting on Geneva portal.
- Monitor health page and validate monitoring.
- Create Dashboard for runners on Jarvis
- Ongoing application maintenance
- Proactive application Monitoring & Alerting
- Log and track all support requests/issues

Environment: SQL Server 2008/2012, PowerShell, XPing Runner and XPing Azure VM

Education & Qualification:

Bachelor of Engineering in Information Technology, University of Pune.

Certifications:
- AZ-104: Azure Administrator Associate
- DP-900 Microsoft Azure Data Fundamentals certified
- AZ-900: Microsoft Azure Fundamentals
- 70-533: Implementing Microsoft Azure Infrastructure Solutions
- 70-461: Querying Microsoft SQL Server 2012
- Information Technology Infrastructure Library (ITIL), 2011
- 70-640: Windows Server 2008 Active Directory, Configuring
- 70-432: Microsoft SQL Server 2008, Implementation and Maintenance
- 70-450: SQL Server 2008 Database Administration
- 70-400: System Center Operations Manager 2007 R2

Achievements:
- Five times **On the Spot awards** for automating different automations for LiveSite, repetitive tasks
- Appreciations from the MS & TCS LTs for proactive deliverables & cost savings