PUNEETH BOINAPALLY

201-975-8123

* A value driven **Elasticsearch Architect** offering 11+ years of experience in Database administration and Elasticsearch Stack
* Experience in architecting, designing, and developing solutions using the ELK (Elasticsearch, Logstash and Kibana) stack.
* Certified Neo4j professional.
* Demonstrated experience in configuring, managing, and optimizing **Elastic Cloud Enterprise** (ECE) environments for deploying and scaling Elastic Stack
* Demonstrated expertise as an Architect with a focus on Elastic stack(Elasticsearch, Logstash, Kibana, Filebeats) ,**KAFKA** and other logging platforms, showcasing the ability to design, implement, and maintain complex solutions.
* Proven experience as a Solution or Application Architect with a specialization in Logging platforms, emphasizing the ability to design and integrate logging solutions within application architectures.
* Skilled in monitoring and managing critical applications and infrastructure, both on-premise and in hybrid cloud environments, to ensure high availability and performance.
* Strong background in **Linux system administration**, including troubleshooting and maintenance, ensuring the stability and security of Elasticsearch and related components.
* Adept at implementing data governance practices, ensuring data quality, security, and compliance, while also having experience in building applications from scratch.
* Experience in **Architecting and implementing Logging Architectures** at the enterprise level, demonstrating a strong understanding of best practices in log management and analysis.
* Proficient in handling tasks related to **Elastic Cloud**, including cluster provisioning, maintenance, and performance tuning, ensuring the efficient operation of critical applications in both on-premise and cloud environments.
* Hands-on expertise in managing Enterprise-level Elastic Stack tools, comprising **Elasticsearch, Logstash, Filebeats and Kibana.**
* Designed and implemented Elastic Stack solutions to effectively monitor, analyze, and troubleshoot applications and infrastructure in both on-prem and cloud.
* Proficiency in implementing **security best practices** and compliance standards for Elasticsearch and log data, ensuring data protection and regulatory adherence.
* versed in various cloud platforms, particularly **Azure and GCP**, with expertise in deploying Elasticsearch and ELK solutions in cloud environments. Proficient in DevOps practices for automating deployment and management tasks.
* Expert in hosting Elasticsearch cluster on GCP, Azure Linux VMs.
* Automated Elasticsearch cluster deployment in GCP and Azure using **Ansible**.
* Managed multiple large Elasticsearch clusters one of largest cluster consists of 120 nodes.
* Built ELK based logging and search solutions from starch and scaled to 1200+ servers.
* Implemented daily snapshots feature on all ES clusters using **Curator** and SLM
* Configured **X-pack** on ES and Kibana implemented security, monitoring, and alerting (Watcher).
* Built highly available Elasticsearch cluster in multiple projects.
* **Upgraded Elasticsearch** from 1.x to 2.x, 2.x to 5.x and 5.x to 7.x for multiple clusters. (100+ servers)
* Administrated Atlas cloud hosted **MongoDB**, including backup and restore Databases, Auditing, LDAP, Scaling, Monitoring, User creation.
* Azure MSSQL administration, including backup restore, Database refresh.
* Experience building data pipeline using Azure KAFKA HDInsight, Logstash and Elasticsearch and managing **KAFKA** with KAFKA manager.
* Strong experience in SQL and writing complex queries with joins and aggregate that deals with large amount of data.
* Experience in Creating indexes and mapping/schema and loading data in to Elasticsearch (Full load and incremental)
* Created pipelines for partial indexing data to Elasticsearch.
* Experience in Implementing full text search, Synonym, Filters in Elasticsearch engine.
* Well-versed with Software Development Life Cycle (SDLC) process.
* Experience in handling customer escalations, investigating concerns, and implementing efficient solution.
* Provided system administration, configuration, and troubleshooting of the Linux environment.
* Work cross-functionally with various teams to improve infrastructure.
* Effective verbal and written communication skills.

**Certified in:**

* ITIL V3 Foundation Certified
* Microsoft Certified Professional (MCP)
* Neo4j GraphDB certified professional.
* Exam DP-200: Implementing an Azure Data Solution
* Exam DP-201: Designing an Azure Data Solution
* Microsoft Certified: Azure Data Engineer Associate
* Elastic- Logging Fundamentals
* Elastic- Fundamentals of Securing Elasticsearch
* Elastic- Elastic Machine Learning for Cybersecurity

**Career Summary:**

**Liveperson, PA**(Remote) **May 22-Present**

*Elasticsearch Architect(SME)*

# Key Responsibilities:

* Maintain Elasticsearch cluster cross all environments.
* Create, configure, and maintain Elasticsearch and KAFKA cluster in all environments.
* Migrated 1200+ servers and 40+ clusters from on-prem to GCP cloud.
* Created logging pipelines using File beats, KAFKA, Logstash, Elasticsearch and Kibana
* Automated GCP deployments using Ansible and Terraform
* Provide end to end support for around 40 Elasticsearch clusters including installation, configuration, monitoring, and alerting.
* Lead initiatives aimed at improving the reliability of Elasticsearch environment, through prevention, detection, and timely mitigation of issues.
* Developing and maintaining a deep understanding of Elastic products and solutions to demonstrate the value of our offerings across the estate.
* Identified productivity issues in infrastructure and improved it by 35% by implementing LEAN methodology.
* Onboarding, educating, and enabling our partners, and supporting them.

# GEP Worldwide, Edison, NJ Dec 17- May 22

*Senior Principal Software Engineer-SME-Elastic stack*

# Key Responsibilities:

* Create, configure and maintain Elasticsearch and KAFKA cluster in all environments.
* Self-hosting more than 250 nodes Elastic, Logstash nodes on Azure Linux virtual machines
* Designed and implemented Logging architecture using Elastic stack
* Create data ingestion pipelines using technologies like Elasticsearch, Logstash, Beats, KAFKA, ADF(Azure Data Factory).
* Automated ES cluster deployments using Azure ARM templates.
* Upgraded Elastic stack from 2.x to 5.x
* Upgraded Elastic stack from 5.x to 7.x
* Work closely with search team to implement template-based search queries and remove NEST dependency.
* Created daily snapshots using Curator.
* Migrated ES nodes from Windows VMs to Linux.
* Built event driven data pipeline for one of the projects using Azure HDInsight KAFKA, Logstash and Elastic.
* Implemented security, monitoring and Alerting using X-pack on ES clusters.
* Azure MSSQL administration, including Backup restore, Database refresh.
* Experience working on Azure CosmosDB.
* Administrated Atlas cloud hosted MongoDB, including backup and restore Databases, Auditing, LDAP, Scaling, Monitoring, User creation and access management.

# Speridian Technologies LLC, Kansas City, Missouri Jul’16–Dec 17

*Senior Software Engineer*

# Key Responsibilities:

* Experience in implementing Elasticsearch (NoSQL).
* Migrated ES from 1.x to 2.x.
* Hosted Elastic search cluster on AWS Linux VMs.
* Experience in implementing full text search platform using NoSQL Elasticsearch engine, allowing for much faster, more scalable, and more intuitive user searches for our database.
* Analyzed and relined efficient search query algorithms to implement business requirements.
* Efficiently handled periodic exporting of SQL data into Elasticsearch.
* Provide ongoing support for MS SQL SERVER database servers for systems including creation, configuration, maintenance, and upgrade.
* Elasticsearch performance and optimization.
* Expedrience on Elasticsearch load balancing.
* Experience in building data dictionary, functions and synonyms for NoSQL(Elasticsearch).
* Created stored procedures to import data into Elasticsearch engine.
* Experience in building Search engine for Elasticsearch.
* Experience in using RabbitMQ message bus.
* ETL process for continuously bulk importing catalog data from Postgres into Elasticsearch.
* Administrating and maintaining Elasticsearch.
* Create & maintain databases, users, Logins, tables, indexes, stored procedures, roles, permissions and other schema objects.

# Cognizant Technology Solutions, Hyderabad, India Jun’12 – Jul’14

*Senior Systems Engineer*

# Key Responsibilities:

* Analyzed and refined efficient search query algorithms to implement business requirements.
* Efficiently handled periodic exporting of SQL data into Elasticsearch.
* Implemented RESTful web services for third party access.
* Built out separate web server platform for new code base with interfaces to legacy systems.
* Led training seminars and created documentation for new systems.
* Performed maintenance and improvements to legacy systems.
* Created SQL stored procedures to do full data export and incremental changes.
* Creating, Scheduling, and maintaining routine SSIS Jobs, tasks, alerts Daily/weekly / monthly basis for executing SSIS Packages automatically without user interruption using SQL Agent Jobs.
* Created complex Stored Procedures, triggers, cursors, tables, views and other SQL joins and statements for applications.
* Performance Tuning on live databases. This includes scanning for performance bottlenecks and troubleshooting them to provide the best service with the Servers.

**Academics:**

* **Master of Science (Information Systems)** from Marist College, Poughkeepsie, NY in 2016 **3.5CGPA**
* **Bachelor of Technology (Computer Science Engineering)** from Jawaharlal Nehru University (JNTU-H), Hyderabad in 2011