Vivek Kumar

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**SUMMARY**

Eight years of experience in solving data problems

Ranked in top 2000 on all-India JEE exam for IIT

Strong design, architecture, problem solving skills, and communication skills

Expert in Big Data, RDBMS, Statistics, Data Warehousing and Business Intelligence

Results-driven, customer-focused, articulate, analytical “outside the box” thinker

**EDUCATION**

M Tech, Electronics, IIT Kharagpur, India May 2006

Master of Science, Physics IIT Kanpur, India May 2003

**SKILLS**

|  |  |
| --- | --- |
| **Subject Area** | **Rating (/10)** |
| Data Warehousing, SQL, OBIEE, Pentaho DI, ETL | 10 |
| PLSQL, Unix, Shell Scripting, Oracle Performance Tuning | 9 |
| Hadoop, Java, R, Data Science, Statistics, Machine Learning | 8 |
| Informatica, Oracle-DBA, SQOOP, HIVE, PIG, Oozie | 6 |

**AWARDS & RECOGNITIONS**

**Spot Award, Akamai** **Technologies** Nov – 2011

Upgraded for OBIEE from version 10 to 11g. Worked singlehandedly on the upgrade and also automated the code deployment process as part of the upgrade. Completed the project in record time, and within budget.

**Spot Award, Akamai** **Technologies** Nov – 2010

Implemented SSO for OBIEE using SAML2 authentication. This was the first time OBIEE was integrated with SAML for single sign on, anywhere in the world.

**Excellence Award, Tavant Technologies** Oct – 2009

Created high data volume ETL process using Oracle PLSQL with logging like commercial ETL tools. Demonstrated optimum hardware utilization while running these jobs.

**PROFESSIONAL EXPERIENCE**

***Business Intelligence Architect Jan 2014 – Present***

Akamai Technologies Bangalore, India

Team Size: 16

Responsibilities:

* OBIEE Upgrade: Upgraded the environment to the latest stable release
* Clustering: Implemented threen-node clustering for high availability of OBIEE
* Automated Deployment: Fully automated and operationalized code deployment
* Regression Testing: Setup automated regression testing for all reports
* Exadata Migration: Migrated the database from RAC to ExaData
* Hadoop: Setup a 10-node Hadoop cluster for database backup and archival on cloud

Environment:Linux, Oracle 11g (ExaData), OBIEE 11.1.1.7

* ***Senior Data Engineer May 2012 – Dec 2013***
* Inmobi Technologies Bangalore, India
* Team Size: 14
* Responsibilities:
* Hadoop as Source: Information for Fact table get populated via hadoop job
* Cloud Integration: Sales Force data integration with warehouse and dimenson modeling. Data sync was done with 5min latency.
* LDAP Integration: LDAP data pull to warehouse using bash script.
* Data Testing: Data quality check using bash script
* Dimension Modelling: Designed star schema having SCD2 dimension
* Daily Tracker: Sent reports via email (reports created using bash scripts)
* Environment: Linux, MySQL, Postgres, Pentaho, Hadoop

***Senior Business Intelligence Engineer Jan 2010 – May 2012***

Akamai Technologies Bangalore, India

Team Size: 10

Responsibilities:

* Performance: Tuned the reports to improve performance using indices/partitions
* LDAP Integration: Integrated LDAP data with CRM and HR data for holistic reporting
* Automation: Automated alerts for ETL job data failures, using machine learning
* SQL Logging: Wrote code to capture and log all SQL queries running in the database
* Automated Code Backup: Created 3 redundant copies of code across data centers
* ETL: Developed ETL jobs in Informatica/Pentaho to extract data from EBS/SFDC etc
* Create complex reports in OBIEE to meet specific customer demands

**Environment:** Linux, Oracle, OBIEE, Informatica, Pentaho

***Senior Software Engineer Oct 2008 – Jan 2010***

Tavant Technologies (Client: Tivo) Bangalore, India

Team Size: 30

**Responsibility:**

* Wrote PL/SQL for ETL task
* Tuned performance of SQL, procedures and the database
* Implemented of bulk collect at various level in PL/SQL
* Designed automation framework – similar to commercial ETL tools
* Created shell scripts to run and schedule tasks on Linux machines
* Designed data models in OBIEE RPD
* Preparing reports and dashboards in OBIEE Answers

**Environment:** Linux, Oracle, OBIEE (Answers, Dashboards, Delivers), BODI, Toad, BO-XI R2

***Software Engineer Feb 2008 – Oct 2008***

Tavant Technologies (Client: *YouSendIt*) Bangalore, India

Team Size: 10

**Responsibility:**

* Designed ETL jobs using Pentaho
* Wrote SQL-PL/SQL for user reports
* Encrypted data, using MD5, pulled via SQL-PL/SQL
* Created reports using Microsoft BI (SSRS)
* Setup MySQL environment on Linux machines
* Participated in requirement gathering sessions

**Environment:** Windows, MySQL, MSSQL, Pentaho, Microsoft BI (SSRS), Linux

***Software Engineer Jul 2006 – Feb 2008***

Tavant Technologies (Client: *Zapak*) Bangalore, India

Team Size: 6

**Responsibility:**

* Design ETL jobs using Pentaho
* Wrote SQL-PL/SQL code to pull and trasnform data from source systems
* Tuned performance of MySQL database and queries
* Designed reports in Pentaho Studio
* Setup Kettle environment
* Setup MySQL environment on Linux machines

**Environment:** Windows, MySQL, Pentaho

**TRAININGS & CERTIFICATIONS**

Online Classroom Training: Big Data and Hadoop Dec 2014

Oracle Open World Conference Oct 2014

Classroom Training: Oracle Database 11g Performance tuning Dec 2010

Oracle Database SQL Expert (Certified) May 2009

Programming with PL/SQL (Certified) Jun 2009

**HOBBIES**

**Analysing Stock Market (2008-2011):** National Stock Exchange (NSE) provides summary data at the end of each trading session. Wrote shell scripts to load this data into the warehouse and used R statistical package for analysis. Also used Dow Jones newsfeed to predict market movement.

**Environment:** Linux, MySQL, R-Project, Shell Scripts, gnokii-smsd, Pentaho

**Android-App:** Created an android app (envids) in my spare time. Envids is mPOS solution designed as queue buster during pick hour at retailer store. I have written server code in java-servlet and php respectively.

**Environment:** Linux, MySQL, PHP, Java-Servlet, Postgres, Tomcat

**CONTACT DETAILS**

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