**KIRTI SHAW**

Senior Engineer

Skills

Languages

**Python, R, SQL, VB script, UNIX, Mainframe (JCL), JAVA, C**

Database

**MS SQL server 2005/ 2008, Oracle 10g/ 9i/8i, Teradata V2R6, MySQL, NoSQL, MongoDB,** **Oracle, MSSQL, RDS, Redshift, AWS EC2, S3, RDS**

Bigdata Technologies

**Hadoop, Spark Framework**

Web Technologies

**HTML, CSS,** **Java Script**

Cloud

**AWS Serverless Analytics**

Frameworks

**Django, Bootstrap, Flask, Bootstrap**

Reporting Tools

**OBIEE, QlikView, Qliksense**

ETL Tools

**ABinitio, Jenkins, Control-M, Toad (Oracle), Putty, SQL Developer, Oracle Data Integrator**

Testing tools

**HP Quality Center 9.0/11.0 (ALM), QTP 9.0 and JIRA, ALM, Perfaware (IDWT), SOAP UI**

Operating Systems

**Windows, UNIX, Red hat Linux 4.x/5.x/6.x, Ubuntu, and MAC OSX**

Experience

Python Developer[ Full-stack, AI]–[kodehead.me](http://kodehead.me/)

**Nov 2019 – Present**

**Clients:** Served various universities across UK, US, Canada. Deployed various webapps.

Test Engineer –EPAM Systems

**May 2019 -Nov 2019**

**[C2H - Data Services]**

**Clients:** Data Lake with integrated data science pipelines for streamlining and helping global pharma business of Novartis.

Senior Test Engineer - Wipro Ltd.

**May 2018 - Nov 2018**

**[C2H - Data Services]**

**Clients:** American bank holding company specializing in credit card.

Test Engineer – Infosys

**2nd Feb 2015 - 09 April 2018**

**[Independent Validation Services]**
**Clients:** Banking, Insurance & Reinsurance. (One of the largest financial inst. of Australia, US and UK).

5+ years of IT in design, development, testing and implementation of various stand - alone and client-server architecture-based enterprise application software on different domains.

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 **<http://kodehead.me>**

Hyderabad, India

Responsibilities

* **Driven teams** while tracking project milestones and deliverables and interacted with clients on project approach, progress and final signoff.
* Involved in **analysis design, development and implementation** of various e-commerce applications, Internet web applications, Database and client – Server Architecture using **python/Django, JavaScript** following software development life cycle **(SDLC)** as well as **STLC** of tracking the requirements, gathering, analysis, detailed design, development, system testing and user acceptance testing.
* Developing **web applications** implementing **Model View Control** architecture using **Django, Flask** web application frameworks with **Object Oriented Analysis** in developing **server side and front-end framework**usingvarious design patterns.
* Extensive knowledge in using python libraries like **OS, Pickle, Beautiful Soup, NumPy** and **SciPy.**
* Experience in installing, configuring, modifying, testing and deploying applications with **Apache, Nginx.**
* Worked in **scrum** teams to deliver projects every week in a **sprint** and scheduled weekly and monthly deployments of functional changes.
* Worked on **Django REST** framework as it is much faster to read data and it can be cached. Knowledge about setting up Python REST API Frame work using **Django**.
* Extensive knowledge in writing complex Queries, Stored Procedures, Triggers and Functions on Oracle, SQL and **PostgreSQL** database.
* Data-warehouse Testing, Test Data Management, ETL, RDBMS, Business Intelligence, Service Oriented Architecture **Creating ETL test data** for all ETL mapping rules to test the functionality of **ABinitio** graphs. Ensuring data quality is at par with business standards using tools such as Control M, ABINITO, UNIX and Data Validation of tables.
* Developed complex **SQL queries** for data verification and ETL test scripts based on technical specifications/Data design documents and Source to Target mappings.

Key Assignments

* Developed **frontend** as well as **backend** modules using **Python** on **Django** **Web** **Framework**. Designed user interactive web pages using various web technologies like **Bootstrap** and implemented **CSS** for better appearance and feel. Used **Django REST**framework and integrated new and existing API's endpoints.
* Data Ingestion, Transformation & Orchestration upon data lake on AWS Cloud to perform serverless analytics and helping global pharma business of Novartis by providing insights on raw level data and provides data after extracting relevant predictions.
* Worked in APRA Mortgage Data Quality Program (MDQP) which was directed by Australian Prudential Regulatory Authority (APRA) to help the company understand risk caused by non-performing assets/bad loans. Created Data Marts for Mortgage Customers of National Australian Bank (NAB) to identify defaulting customers and reduce financial risks.
* The Foreign Account Tax Compliance Act (FATCA) is United States (US) legislation aimed at improving compliance with US tax laws. Created data marts and extracted non-compliant US citizens to flag them accordingly and subsequently reported to IRS.

Achievements

* **Multiple Awards** and appreciations for exemplary Project contribution.
* Awarded for **independently developing automation tool** using VB Script for data warehouse testing.
* Won **Toastmaster** Contests.

Education

* Bachelor OF Technology

**[June 2010 – April 2014]**

Electrical and Electronics

Swami Vivekananda Institute of Science & Technology [WBUT]

* Higher Secondary Education **[May 2008- April 2010]**

 Major in Science

Sekhawat Memorial [WBCHSE]

* Secondary Education

Holy Child Girls School [WBSE]

Individual Projects

* Patient Management app for healthcare organization with different user level access for admins, employees and users using Django web framework.
* Developed **chatbot** for a pharma client on Rasa NLU Stack to respond to users regarding drug related queries.
* Developed data validation tools with VB script which would retrieve data from database (JDBC) and validate against different data request, take backups and would free space in database by dropping those backups when testing is completed. Was awarded for building the tool and it is being used across different accounts.
* Developed automated scripts for migration project validation & UNIX shell scripts for test automation purposes.
* For more projects visit: <http://kodehead.me>

Personal Details

**Date of Birth:** 13th March, 1992

**Languages Known:** English, Hindi and Bengali

**Permanent Address:** Kolkata, West Bengal

### Hobbies

### In my free time I like to follow blogs, Read, Paint, swim, travel and practice yoga, music etc. I am also an active participant of toastmaster club (A leadership building platform) and take pleasure in volunteer & charity work.