

# Abhishek Arora

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## Career Description

- 7 years of rich Experience in Application Development, Data Cloud and related technologies
  - Strong experience in Python, track record of working extensively on Application Development.
  - Python developer having rich experience in full stack development using django, data analytics, ETL and data management using RDBMS and data warehouse
  - Hands-on experience in implementing Data operations logic for analyzing, filtering and processing data based on the requirements using Python, Postgres, Snowflake
  - Hands-on experience in handling large scale applications using cloud components such as RDS replication, Server Replication, S3, Load Balancers, Redis Cache, RabbitMQ, Lambda and cloud.
  - Proficient in API development and integration
  - Good experience in application optimization and database optimization
  - Experienced in object-oriented programming; developing, testing and debugging code and designing interfaces.
  - Quickly learner and proven track record in working both in team and self-directed settings.
  - Highly customer oriented, multitask professional with excellent analytical and logical skills
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## Technical Skills

<b>Key Competencies &amp; Technologies</b>	<ul style="list-style-type: none"><li>• Python, PHP, Core Java</li></ul>
<b>Domain</b>	<ul style="list-style-type: none"><li>• Data Analytics, E-Commerce, Human Resources</li></ul>
<b>Databases and Data warehouse</b>	<ul style="list-style-type: none"><li>• Mysql, Snowflake, Postgres, Oracle 10g, MariaDB</li></ul>
<b>Cloud Technologies</b>	<ul style="list-style-type: none"><li>• AWS- EC2, RDS S3, Lambda, Load Balancers and Cloudfronts</li></ul>
<b>Frontend Technologies</b>	<ul style="list-style-type: none"><li>• HTML, CSS, Javascript, jQuery</li></ul>
<b>Frameworks</b>	<ul style="list-style-type: none"><li>• Django, Zf2, Zf1</li></ul>
<b>Management Tools</b>	<ul style="list-style-type: none"><li>• JIRA, Confluence</li></ul>
<b>SW Tools</b>	<ul style="list-style-type: none"><li>• Git, SVN</li></ul>
<b>Deployment Automation</b>	<ul style="list-style-type: none"><li>• Jenkins, AWS Code Pipeline</li></ul>
<b>Monitoring tools</b>	<ul style="list-style-type: none"><li>• Pingdom</li></ul>

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## Professional Experience

**Aricent Technologies**  
*Technical Lead*

Feb, 2017 - Till Date

**Osscube**  
*Senior Software Engineer*

Jan, 2013 - Feb, 2017

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# Projects

## Enterprise Data Solutions (Jan 2019 - Till Date)

Enterprise Data solution (EDS) team is responsible for Data Cloud operations for an American multinational Tier1 mass media and entertainment conglomerate. It is having multiple web applications for different vendors having different domains such as News, Sports and Entertainment. Behavior of all the users who access these applications are tracked using Analytics library. This raw data is then transferred to EDS's S3 buckets in different formats where AWS Lambdas are configured for triggering the Python scripts. These are generic scripts which access metadata from Postgres (which is unique for each vendor and its brand). With the help of metadata, these python scripts process the raw data and transform into multiple stages and load it into a snowflake data warehouse. On the basis of the vendor's request, data is normalized and extracted out from snowflake to the vendor's S3 buckets which is the used for data analysis.

**Technology:** Core Python , ETL

**Web Framework:** Django

**Cloud resources:** EC2, Snowflake, Postgres, Lambda, S3

**Team Size:** 12

### Contributions

- Implementation of required data operations logic such as analyzing, filtering and processing data for various customer brands based on the requirements using Python, Postgres and Snowflake.
- Implementation of SQL scripts for data extraction, transformations and loading in Snowflake warehouse using metadata which is being stored in Postgres.
- The databases in use are having millions of records which gets processed every day.
- Maintain and improve the performance of existing software.
- End-to-End designing, development, implementation and integration using Python.

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## Project: Multimedia Content Manager (Feb 2017 – Dec 2018)

Multimedia Content Manager (MCM) is a multi-screen software platform that enables service providers to manage and orchestrate the marketing, retailing and delivery of all their content (applications, video, music, ringtones, information, etc.) and content services to end users on any screen based on individual preferences, thereby integrating and enhancing the end user's experience is designed to be a key component of the service delivery platform and provide its core capabilities to all connected services (on-network and off-network) on all screens.

**Role :** Full stack Developer

**Team Size :** 10

**Technologies/OS :** PHP(Zend Framework1) ,Core Java, Python

**Database :** Oracle 10g

### Contribution

- Analyzing business requirements and converting them into solutions. Responsible for End-to-end development and deployment of application.
- Manage all frontend portals for multiple service providers integrated with separate backend applications in different regions and in different languages.
- Implemented code replication on 2 apache servers.
- Implemented HA Proxy and composite Load balancers for distributing load on different apache servers.
- Database optimization: Implemented python script (Cron scheduled) to extract 3 months old data, archive it and upload it to S3. Analyzed the table structures and its related queries of more than 300 tables. Added indexes based on the operations in queries which reduced more than 50% of execution time.

- Implemented Redis cache for static content item to minimize the hits to backend server and reduce load.
  - Implemented Jenkins jobs for all the portals for automation deployment.
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## **Project: Web Applications development for an E-Commerce Portal (Nov 2015 – Dec 2016)**

### **I worked on three sections:**

- A) Taxonomy: Web application used to ease the product registration by Sellers. Content team add generic products of different categories from UI. To register the product, seller needs to login and find its product on the basis of product category. After selecting the product and adding additional details, request is made to the content team for approval. On successful approval, product listing starts appearing on the portal. ACL and workflows are implemented to manage the content.
- B) Packaging Material Automation: Web application used by warehouse team to manage the Packaging Material (PM) inventory. On successful registration of products by sellers, an initial amount of PM is sent to the seller. Algorithms are implemented to send the best fitted PM to the sellers from nearest warehouses, thereby minimizing the wastage of raw material and time. Algorithms are also implemented on the basis of orders, to maintain at least one-month inventory with the seller. Content teams also have privileges to alter the quantity from their end.
- C) Seller Rating: Based on different metrics in order life-cycle(starting from the order creation to the seller till successful order delivery) , seller rating is measured and listed on the portal so that end users can have the option to select best sellers while shopping.

**Role :** Full stack developer

**Team Size :** 4

**Technologies/OS :** Core PHP

**Database :** MySql

### **Contributions**

- Understanding the requirement and converting it into solutions. End-to-end development and deployment of applications.
  - Worked on database optimization and data replication for 5 different MySQL server instances.
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## **Project: Human Resource Database Management (Aug 2014 – Oct 2015)**

The application is used to handle the records of all the employees of Nigerian government, starting from the date of joining to the date of Retirement. Dynamic Report Generation, Graphic view of records of employees and Acl are implemented.

**Role :** Full stack developer

**Team Size :** 8

**Technologies/OS :** PHP Zend framework2

**Database :** MySql

### **Contribution**

- Developed features of the application.
  - Created modules for different sections.
  - Maintain and improve the performance of existing software
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## Project: FRSC-DL (Jan 2013 – Jul 2014)

This application is used to apply for a Driving license. New user applies for the License by submitting the application form which is then processed at two levels of approvers. Application needs to go to a learning school and obtain the certificate.

After submitting all valid documents and final approval, license is dispatched to the applicant's address.

**Role :** Full stack developer

**Team Size :** 6

**Technologies/OS :** Symfony  
1.4

**Database :** MySql

### Contribution

- Developed features of the application.
  - Created modules for different sections.
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## Academia

Year	Degree / Board	COLLEGE / SCHOOL, CITY
2008-2012 B.Tech(Information Technology)		Management Education and Research Institute, MDU
2008	Class XII: CBSE board	Modern Era Convent
2006	Class X: CBSE board	H.C Model School

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