

Saif Abdullah

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Data Visualization specialist and former consultant, capable of end-to-end development of BI reporting needs for both Fortune 500 companies and federal agencies. I am as comfortable gathering requirements from stakeholders as I am participating in pair coding sessions with colleagues. I've learned to use both Power BI and Tableau in order to deliver cutting-edge dashboard designs whilst staying committed to holding my own with respect to Database, Data Warehouse, ETL and Cloud development.

SKILLS

Cloud: AWS Lambda, API Gateway, CodeCommit, CloudFormation, Step Functions, SNS, DynamoDB, S3

Languages: JavaScript, YAML, JSX, AJAX, HTML, CSS, Python, C#, PL/SQL, T-SQL, VBA, DAX

Frameworks and Libraries: Vue.js, React.js, Express.js, Django, Mongoose, Bootstrap

Databases: MongoDB, PostgreSQL, Microsoft SQL Server, Oracle Database

Data Integration Tools: SSIS, Oracle Data Integrator, Power Query

Development Tools: GitHub, CI/CD, Linux Shell Scripting, VS Code, Chrome Developer Tools

Business Intelligence: Power BI, Tableau, SSRS, Oracle Business Intelligence, Endeca

EXPERIENCE

Data Architect

Octo (IBM) / Jun 2020 – Present / Reston, VA

- Managed the design, development, and deployment of interactive reports and dashboards using Power BI and Tableau to meet the need for enterprise-wide data analytics capability for data-driven decision making.
- Delivered insights into the effectiveness of training curriculum as well as the demand for/cost of classes offered, enabling the VAAA to develop a leaner training program with higher efficacy.
- Built ETL pipelines using macros, shell scripts, packages, functions and stored procedures to feed data from multiple sources into a single-source-of-truth (SST) data warehouse tuned for multi-platform reporting.
- Prepared and presented dashboards/technical presentations/user training to stakeholders (from analyst through executive leadership) in order to evolve customer engagement, gather feedback and co-create new ideas for integration into the product roadmap and continued refinement of SST.
- Documented development work, new discoveries and processes (e.g. a protocol to determine data cleansing needs of a dataset) in order to build a data practice with a culture of shared responsibility and set standards.
- Used PowerApps to enable SMEs to update data warehouse tables in a safe and efficient manner.
- Helped developers identify steps to implement technical specifications and monitored their progress through daily standups, code reviews, pair programming, data validation tools and documentation review.
- Performed basic level of performance tuning, data backups and redundancy for SST data warehouse.
- Added components to an Inventory App (Vue.js) to aid different business processes related to tracking and inventorying recycled computers and hard drives. Dev approach included CI/CD with AWS CodeCommit.
- Used AWS Lambda to query Amazon Selling Partner API and eBay Developer APIs for purchase order information to update sales and inventory records in internal datamart.
- Used AWS Step Functions and SNS to set up cron jobs for scheduled query-based reports via e-mail.

Business Intelligence Developer

Ascent Consulting Company / Sep 2016 – Oct 2019 / Washington, DC

- Helped launch the Federal Aviation Administration Office of Financial Services' OBIEE reporting platform – a \$4 million program aimed at improving operational efficiency through integrated reporting & analytics – which won the [2019 Federal Aviation Administration AFN Award for Organizational Excellence](#).
- Reviewed internal reports and external data artifacts, in addition to facilitating information discovery through one-on-one stakeholder and larger team meetings in order to identify business requirements.
- Used business requirements to produce technical specifications document outlining how source (OLTP) system, ETL tools, target (OLAP) system, business intelligence software and human resources will be leveraged to fulfill requirements whilst establishing appropriate cadences/dependencies for the work.
- Analyzed query performance against transactional system database and recommended full load plus daily incremental update of OLTP data to a production database running on high-performance Oracle Exadata.
- Performed gap analysis and integrated accounting, operations, and asset data to build interactive reports and dashboards for data analytics, enabling speed-of-thought budget management activities for users.

Business Intelligence Consultant

BIAS Corporation (Deloitte)/ Jan 2013 – Aug 2016 / Atlanta, GA

- Validated reports using SQL queries to compare row counts, counts of specific values within categorical columns, min/max/avg values of measure columns, and values of data points selected for spot checking.
- Validated data models by querying row counts, value counts, and value ranges of fact and dimension tables at the appropriate level of granularity in the data model and comparing those to source system counts.
- Implemented best practices and enabled advanced reporting by implementing star schemas in 3NF and using entities such as calendar table, hierarchy table (drill-through), and slowly changing dimensions.

EDUCATION

Georgia Institute of Technology	Atlanta, GA
MS, Management	2012
BS, Biomedical Engineering	2008

CERTIFICATES

Data Visualization

Microsoft Certified: Power BI Data Analyst Associate	11/2024
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General Assembly

Software Engineering Immersive	05/2022
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- *Built single page applications capable of CRUD actions using MERN stack implementing RESTful routing.*

MIT Professional Education

Deep Learning for AI and Computer Vision	07/2020
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- *Learned to implement edge detection in a neural network, and how training and testing datasets can be used to train a machine learning model to efficiently recognizing objects in an image.*

Modeling and Optimization for Machine Learning	06/2020
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- *Gained conceptual understanding of advanced mathematical concepts such as Gradient descent and Regularization used to formulate, implement and refine machine learning models.*