

Nikhil Dhawan

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Career Overview

I lead the data engineering for dentsu International in Australia. In my previous role, I have spent last five years working in consultancy with teams for building and managing solutions including web applications, cloud solutions, data migrations and pipelines with custom visualizations. Before that I worked in Yahoo, a global tech firm building foundation of my big data skills. My core competencies practiced at work in last few years are listed below.

Azure	DataFactory, Databricks, ML Studio, Functions, Blob, SQL DB, ActiveDirectory
Cloud	AWS GlueDataBrew/EC2/Lex/elasticbeans/codecommit • GCP BigQuery/Speech
Language	Python • JavaScript • SQL • Bash Scripts
Tools	Teradata • MongoDB • Alteryx/LavaStorm • Qlik/Tableau • ElasticSearch
CI/CD	Gitlab CI/CD • Docker • Kubernetes • Jenkins • Helm
Big Data	Hadoop • Oozie • Hive • Spark

Certifications

- Microsoft Certified Azure Developer Associate (2019)
- Google Cloud certified Professional Data Engineer (2019)
- Cloudera certified Developer for Apache Hadoop (2015)

Work Experience - Consulting

Director – Data Engineering *Dentsu International, Melbourne* **Apr 2021 - Current**

- Merkle Inc.
 - Manage and expand data engineering pipeline for incoming projects
 - Ownership, build and maintenance of data pipelines from media platforms to data warehouse for clients and internal projects.

Manager - Data Engineer *KPMG, Melbourne* **Nov 2017 – Mar 2021**

- Innovation, Solutions and Ventures
 - Lead data engineer for KPMG Australia's internal AI platform for processing of highly confidential documents, using Azure Kubernetes Cluster.
 - Leading the development of a custom web app, enabling business users to securely use pretrained NLP models on their own documents.
 - Integrating or building the client's existing data storage and downstream systems with the AI platform.
 - Working with global counterparts to build product roadmap and prioritize feature releases based on local business demand.
- Innovation and Digital Services
 - Project planning for internal projects and building MVP solutions based on potential client's proposals or as supplement to response to tenders.
 - Designed and built a python based POC app for banking domain, utilizing Google speech translations as part of tech pre-sales for potential clients.
 - Helped a superannuation client to consolidate multiple sources via Azure data factory to fetch, process and visualize data in Tableau.
 - Automating this report led to reduction of time to update monthly visualization from 1 week to 1 hour.

Senior Consultant*KPMG, Melbourne***July 2015 – Nov 2017**

- Analytics and Information Management, Management Consulting
 - Responsible for client management, development and training and handover.
 - Helped telecom client for automating account discrepancies identification via cross referencing and visualizing up-to eight data sources.
 - Built custom d3js visualization for c-suite executives showing revenue breakdown and assurance percentage of over \$20 billion in total assets.
 - Helped a legal firm experiment with an intuitive way to capture incoming client leads and allocate lawyers using simplified web application

Work Experience – Tech Firm**Senior Software Engineer***Yahoo! Inc., Bangalore India***Sept 2013 – May 2015**

- Publisher tools team, Search Analytics
 - Writing/Managing Hadoop and spark jobs using Pig, Hive that parse up to 30 GB log data per hour.
 - Handling development of multiple products to be used by publishers/account managers that enable them to keep track of advertisement campaigns.
 - Built complete Continuous integration pipeline from commit to deployment using Jenkins and writing unit and regression tests for each step.
 - Worked on porting of tools from RHEL4 to RHEL6 including compiling with dependencies, building native packages and configuration changes.
- RMX Apps, Right Media Exchange
 - Undertook training for proprietary deployment tool in Yahoo and gave training to two teams and helped them build the continuous delivery pipelines.
 - Developed password reset module, UI and back end, with one-time password generation link and its verification empowering millions of customers.
 - Worked as backup for release management using Jenkins as CI tool and other Yahoo! proprietary tools for auto deployments.

Work Experience – Older

- **Target US** – 2013 – Intern – Solved task distribution problem for new Canada Team by creating a MS Access database and UI adhering to strict no-admin-rights policies.
- **Tata Consultancy Services** – 2009-2011 – Handled backend support of government website written in Struts framework. Made and distributed java application to automate routine tasks to resolve daily issues significantly faster for whole team and reducing backlog of tickets by 10%.

Education**International Institute for Information Technology** *Bangalore, Karnataka***2011 – 2013**

- Masters in IT (Software Engineering)

Guru Nanak Dev University *Amritsar, Punjab***2005 – 2009**

- Bachelor's in computer science and Engineering

Hobbies and Interests

- Trying hands on beta software releases, new tools and features.
- Reading latest tech news and worry about digital future.
- Playing ~~video games~~ pretend kitchen with my twin kids.
- An occasional runner and cyclist in free time.