Kent Pawar

Position	**Data Engineer & Analyst (Project Lead)**
Location	**Bangalore, INDIA**
Visa	**US [H1B]**
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Phone	**+91-981-982-6858**
Languages	**English** (native, fluent), **Hindi** (conversational)
LinkedIn	https://www.linkedin.com/in/kentpawar/
Data Science + ML ePortfolio	https://eportfolio.greatlearning.in/kent-pawar
StackOverflow	https://stackexchange.com/users/961501/kent-pawar?tab=reputation

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Work Summary *(Total 8.5yrs+)*

LTI

Project Lead
Larsen & Toubro Infotech Ltd
Sep 2018 – Present · 10 mos
Bengaluru, Karnataka, India

Working towards Automation solutioning for BI processes. IT architectural landscape includes: Data Integration (Talend, Informatica), Data Visualization (Tableau, Spotfire, Qlik Sense), Big Data (HDFS, Spark), Scripts(Python, Java, Shell scripts) and Amazon Redshift on AWS.

Capgemini
7 yrs 9 mos

Lead Data Engineer, & Analyst
Jul 2017 – Sep 2018 · 1 yr 3 mos
Bengaluru Area, India

Lead Data Analyst/Engineer at GE Power, and Oil & Gas US offices
Feb 2014 – Jul 2017 · 3 yrs 6 mos
Houston, Texas Area

Capgemini acquires IGATE

Senior Software Engineer
Jan 2011 – Jan 2014 · 3 yrs 1 mo
Mumbai Area, India

Patni Computer Systems (PCS) acquired by IGATE, which was then acquired by Capgemini.

Higher Technical Education *(Total 8yrs+)*

- **Great Lakes** *(Top Indian B-School)* in association with **The University of Texas at Austin - Red McCombs School of Business**
  - → **Post Graduate Program** in **Artificial Intelligence and Machine Learning** *(PGP-AIML)* **- *In Progress***
- **BITS Pilani** *(Top Indian Engineering College)* Work integrated learning program (WILP)
  - → **MTECH in System Software** (***COMPLETED*** – *Awaiting provisional degree certificate by SEP-2019*)
- Mumbai University - **B.E in Information Technology**
- Maharastra State Board of Technical Education – **Diploma in Computer Engineering**

Kent Pawar is currently working as a **Project Lead** with 8.5+ years of IT experience in Business Intelligence, is a **H1-B visa holder (worked in US for 3.5yrs)**, and specialization in –**Data Visualization, Big Data, Data Integration, Customer engagement (worked on-site), Data Modeling, Data Warehousing, DataOps/DevOps** (Data Analytics Agile development/continuous integration, QA, BI Architecture Administration + maintenance, and Mentoring), **Automation scripts**, Data Lakes, and developing end-to-end BI Solutions; his contribution to projects are across Finance, Accounting, Sourcing, Services, Marketing, Engineering, and other domains.

Has worked with cross-functional multi-vendor teams, to **co-ordinate and deliver agile solutions**, and implement BI Architecture setup. He believes that an engagements on-going success depends on a good mix of **agile development best practices, continuous customer engagement, rigorous quality assurance, and primarily a well-mentored and supported team**. He considers **mentoring** and **up-skilling** of the team to be a critical part of ensuring continuous improvement of our service to the customer, and so pays special attention to it.

He is **detailed oriented**, and takes special care to ensure we **understand the customer's objectives** so we always work towards their best interest.

Data Visualization / Analysis:
- Primarily using **Tableau** (**4.5+yrs**) for most Visualization requirements. He has good experience in capturing business requirements, directly working with the customer while being an offshore lead, and as a **US on-site lead for 3.5+ yrs**. Developing dashboards best suited to satisfy the data-analytic goals of the business, by **leveraging best practices/trends in BI whitepapers and mainly from experience**.
- Prior experience in **Oracle Essbase/Hyperion, IBM Cognos, Business Objects XI,** …

Data Engineering [Data Integration, Big Data, Automation, and Data modeling]:
- Worked on end-to-end ETL architecture design, and maintenance to ingest structured data (ERPs, DWH, Data lakes), mainly using **Talend (last 4.5yrs+),** and **Informatica (6yrs)**. With data residing in **Columnar** DBs like **GreenPlum [PostgreSQL], Amazon Redshift,** and **RDBMS** DBs like **Oracle (8+yrs), MS SQL Server, MySQL, Teradata, …**. The data was finally loaded into **Tableau server, Data Lakes, OLAP cubes (Oracle Essbase), …** Experience with **NoSQL DB MongoDB.**
- Experience with Big Data stack technologies in the last **4.5yrs**+: **Hadoop HDFS, Hive, Spark, and Sqoop.**
- **Automation:** Developed **custom Python scripts** in tandem with **MS Windows VBA/UNIX shell scripts**, to ingest semi-structured data formats like JSON, XML, CSVs/flat-files, … typically coming from external Web API sources.
- Data modeling based on understanding of domain knowledge, business processes and the requirements, then Implementation in the aforementioned DBs. Business processes and data modeling artifacts documented using UML diagramming as needed.

Administration, and maintenance of BI Technical Architecture:
- Good experience in working closely with **BI Solution architects** and **cross-functional teams** to implement **BI Technical architecture setup**. Worked on several **DevOps** projects as detailed below. Worked on **Tableau Server and Oracle EPM reporting server administration and maintenance**, on Windows and UNIX/Solaris/RHEL environments.
- Worked on several projects that leveraged **Amazon AWS cloud** infrastructure to deliver a reliable, secure and cost-effective solution. Currently gaining working knowledge in **Microsoft Azure**, and **Google Cloud platform**.

Customer engagement, and Project management:
- Effectively managing customer expectations while working on-site in the **US for 3.5yrs+**, capturing business requirements by directly working with the customer,…
- Technical Lead of team size 4-6+, using agile methodology for developing dashboards best suited to satisfy the data-analytic goals of the business through continuous customer engagement.

Data Science:
- Has worked closely with the Data science team, on developing a solution for data quality issues with Supplier dimensional data.

Recent Conferences/Workshops attended:

- **Google Cloud Summit,** covering topics **BigQuery, AutoML, Hybrid & Multi-Cloud, Google Kubernetes Engine, Cloud Migrations, ... -** *at Bangalore, in June 2019*
- **Amazon Web Services (AWS)** Summit covering topics **AI/ML** and **Analytics** (**Datalakes)** on the **Cloud** - *at Mumbai, in May 2019*
- **Intel Deep Learning & Vision workshop** at India Electronics Week (EFY Expo) 2019 – *at Bangalore, in Feb 2019*
- **Artificial Intelligence & Machine Learning** Conclave @ *IIT Madras*, OCT-2018

KEY SKILLS:

- **Functional:** Domain knowledge across multiple areas as he worked with business across various verticals on numerous dashboard initiatives, primarily for Executives and upper management. Other skills include Team Building and mentoring, Team Lead, Business Analysis, Excellent Communication and Interpretation skills, Project Management.

- **Technical:**
  - Agile Project management: **Scrum & Kanban methodology, CA Agile** (formerly Rally)
  - Design: **Data modelling and architecture, Data integration, Reporting UX requirement gathering in UML, Server Technical architecture**
  - Visualization (Reporting): **Tableau**, SSAS, Oracle Hyperion, Cognos, Business Objects XI
  - ETL: **Talend, Informatica,** HVR data replication, SSIS
  - Database: **Greenplum/PostgreSQL**, **Oracle,** MS SQL Server, Actian Vectorwise, MS Access, MySQL
  - Programming language: **Python, UNIX Shell scripting (bash, gawk, ...),**R, C, C++, **VB/VB.NET**, Java, Perl
  - Web Technologies: REST, ASP.NET, Javascript (JQuery), VBScript (VBA), CSS, and Data (XML and JSON), working with 3rd party Web APIs
  - OS: Windows Server, Oracle Solaris, RHEL Linux.

01

Type of Industry:	**Manufacture and Sales of Medical devices**
Project Description:	Part of multiple initiatives across EMEA and ASPAC projects. Maintaining existing BI solution and building tools to automate and reduce overall cost of operations
Role/Title:	**Project Lead Data Engineer and Analyst,** in **Bangalore, India**
Client:	Johnson & Johnson
Employer:	LTI India
Project Duration:	10 months [SEP 2018 – till date]

Responsibilities:

- Besides maintaining daily deliverables for supported BI solutions in EMEA, Kent is working along with the Delivery manager and Project manager to build automation solution to reduce the operation cost. Currently the major automation solution (Enterprise Access Provisioning system build using Java Servlets) is capable of reducing 6 hrs of human effort per day which translates to huge time savings and customer satisfaction.
- Also has managed several business critical data issues affecting the month-end process by deep diving into existing code and resolving it.
    - *This section will be further updated on completion of the project*

Operating Systems:	AWS EC2 GNU Linux, AWS EC2 Windows Server 2019
Software / Languages:	SQL, Python, Java, Shell scripting
Special Tools:	AWS (Redshift DWH, S3, RDS, IAM, CloudWatch, …).
	Talend (Data integration)
	Hive, Impala (Big Data)
	Python (Feed automation/Data cleansing),
	Tableau desktop (Visualization), QlikSense (Dashboard/App hosting)

02	**Type of Industry:**	**Power Services(Turbines) – Performance Engineering analytics**
	Project Description:	Building a high-visibility **Tableau** dashboard solution for the ==Executive of Power Services Technology (reports to the VP), and Regional leaders== using **Talend** for data integration
	Role/Title:	Lead **Tableau Data Analyst,** and **Talend developer** in **Bangalore, India**
	Client:	GE Power – Power Services – Performance Engineering
	Employer:	Capgemini India
	Project Duration:	6 months [FEB 2018 – SEPT 2018]
	Responsibilities:	• New initiative. He is working under the **Sr. Director**(Technical Product Manager),on requirement gathering with the regional leaders and their associates to design a **2-tier dashboard solution** that will give the leadership visibility of the KPIs across Performance Engineering services, Resource utilization, and other critical functional areas, that the business wanted to have high-visibility on to drive certain targets.

- o Drove the requirement gathering calls with the business to understand which KPIs the business wanted to focus on, when reviewing the monthly results with the Executives.
- o Designed the **Tableau** dashboards to help answer the questions the business had on a daily/weekly/monthly basis. Created highly interactive dashboards so that the business could quickly filter to focus on the required data-points for further analysis.
- o Developed **Talend** jobs to automate data ingestion for existing manual intensive processes.
- o Initially developed the dashboard based on Excel data-sources, and focused on the design and interaction of the dashboard.
- o Later worked on the data model residing on the Enterprise DataLake, and automated some feeds to improve the accuracy and velocity of the data flowing into the dashboards.
- o Developed Talend jobs for loading data from disparate sources into the DataLake.
- o Currently enhancing the dashboard design to leverage the higher granularity of the underlying dataset.
- o Tableau Server Site admin responsibilities – user group and security management, access provisioning.

	Operating Systems:	Windows, Linux
	Software / Languages:	SQL, Python
	Special Tools:	Tableau desktop (Visualization), Talend (Data integration), Python (Feed automation/Data cleansing), Tableau server (Dashboard hosting)

03	**Type of Industry:**	**PoC Data Science + Big Data + Automation** *(Applicable to any industry using a ticketing tool like ServiceNow to manage processes)*
	Project Description:	Real-time ticket analysis and recommender tool. PoC to derive analytics from ServiceNow Ticket streams.
	Role/Title:	Lead **developer** in **Bangalore, India**
	Client:	PoC
	Employer:	Capgemini India
	Project Duration:	5 months [MAR 2018 – JULY 2018]
	Responsibilities:	• New initiative. He is working on creating a PoC solution that will process real-time tickets created by users, and leverage machine learning to determine the next steps/recommendations for the user and determine the action plan for teams most-likely responsible to take up the ticket based on user descriptions. This project cuts across areas of Big Data (**Apache Hadoop, Spark**), and leverages **AWS** services and architecture.
	Operating Systems:	Windows, Linux on AWS
	Software / Languages:	SQL, Python
	Special Tools:	Tableau desktop (Visualization), Talend (Data integration), Apache Hadoop (analysis of historical tickets), Apache Spark (analysis of real-time ticket streams + Machine learning capabilities), Python (Feed automation/Data cleansing)

04	**Type of Industry:**	**Renewables (On-shore and Off-shore wind plant analytics)**
	Project Description:	Building a **Tableau** dashboard solution for the Renewables <mark>CEO, Regional leaders, and the Leadership team,</mark> using **Talend** for data integration
	Role/Title:	Lead **Tableau Data Analyst**, andLead **Talend** developer in **Bangalore, India**
	Client:	GE Power – Renewables
	Employer:	Capgemini India
	Project Duration:	7 months [JUL 2017 – JAN 2018]
	Responsibilities:	• New initiative. He worked on requirement gathering with the regional leaders and their associates to design a dashboard that will give the leadership team visibility of the KPIs across various business-critical functional areas ranging from Finance, Market insights, Commercial, EHS, Services, … that the business wanted to have high-visibility on to drive certain targets.
		o Drove the requirement gathering calls with the business to understand which KPIs the business wanted to focus on, when reviewing the monthly results with the CEO.
		o Designed the Tableau dashboards to help answer the questions the business had on a daily/weekly/monthly basis. Created highly interactive dashboards so that the business could quickly filter to focus on the required data-points for further analysis.
		o Act as the scrum-master for daily scrum call, and manage sprint and effort estimation.
		o Initially developed the dashboard based on Excel data-sources, and focused on the design and interaction of the dashboard.

- o Later worked on the data model residing on the Enterprise DataLake, and automated some feeds to improve the accuracy and velocity of the data flowing into the dashboards.
- o Developed Talend jobs for loading data from disparate sources into the datalake.
- o Designed the solution to enable Trend Analytics for the business – this included designing the data model, data integration and Tableau dashboards for their custom Trend analytics requirements.
- o He later enhanced the dashboard design to leverage the higher granularity of the underlying dataset.
- o Tableau Server Site admin responsibilities – user group and security management, access provisioning.

Operating Systems:	Windows, Linux
Software / Languages:	SQL, Python
Special Tools:	Tableau desktop (Visualization), Talend (Data integration), Python (Feed automation/Data cleansing), Tableau server (Dashboard hosting)

05	**Type of Industry:**	**Oil & Gas - Engineering**
	Project Description:	Building a **Tableau** dashboard solution for the Finance and Engineering executives in the Engineering dept. using **Talend** for data integration
	Role/Title:	Lead **Tableau Data Analyst**, **Talend** developer, and **Site admin**, and in **Houston, TX**
	Client:	**GEOil & Gas – Engineering**
	Employer:	Capgemini USA
	Project Duration:	3 months [MAY 2017 – JUL 2017]
	Responsibilities:	New initiative. He worked on requirement gathering with the **Finance and Engineering executives** owning the requirement, to understand the business process, visualization objectives, model the AS-IS and TO-BE BI solution, and documented functional and technical specifications for the team to implement. Reporting directly to BI Technical architect.

- He led the development of the Tableau dashboard based on sample Excel data-source, which was later re-pointed to GreenPlum.
- He worked on data model creation in GreenPlum, and data ingestion using Talend jobs.
- For portions of the process where the business needed to feed manually calculated values, he leveraged custom business apps to create a workflow to semi-automate the process.
- He later enhanced the dashboard design to leverage the higher granularity of the underlying dataset.
- Finally, heled the team to complete the data flow automation based on TO-BE BI Solution documented in initial step.
- Tableau Server Site admin responsibilities – user group and security management, access provisioning.

Operating Systems:	Windows
Software / Languages:	SQL
Special Tools:	Tableau (Visualization), Talend (Data integration)

06	Type of Industry:	**Oil & Gas – Sourcing**
	Project Description:	Involved in Multiple initiatives for this client to develop BI reporting solutions and automating data flows, and maintaining existing BI solutions.
	Role/Title:	Lead **Tableau Consultant** & Lead **Talend** developer, for respective requirements in **Houston, TX**
	Client:	**GE Oil & Gas – Sourcing**
	Employer:	Capgemini USA
	Project Duration:	4 months [JAN 2017 – APR 2017]
	Responsibilities:	• Worked individually to design and automate, a complex and time-critical Tableau dashboard used by executives.

- Worked individually to design and automate, a complex and time-critical Tableau dashboard used by executives.
    - o Managed the requirement gathering, Tableau design, Talend job design, data modeling, quality assurance, and maintenance.
    - o Tableau design was based on a manually maintained excel, with several layers of Pivots, custom calculations, graphs and tabular calculations. Automation and design of this business process was complex and resulted in saving many person-hrs of effort for the business. Received appreciation emails from client.
    - o Completed end-to-end design of ETL data flow using Talend jobs from external sources to the in-house data lake, while ensuring data security, and quality standards were met.
- Worked on a several ad-hoc request and guided team on Tableau and Talend ETL challenges, as part of on-going maintenance of the existing Tableau Reporting and Talend consumption layer.
- Worked with **Data science** team, on developing a solution for data quality issues with Supplier dimensional data. Wrote python scripts to tokenize the data set and then with some R scripting, we were able to group suppliers which were most likely the same name. Then several steps later, and while closely working with business SME, we sanitized the data set; this resulted in accurate reporting, and saved tremendous manual effort for the business to manually clean-up their reports.

	Operating Systems:	Windows
	Software / Languages:	SQL, Python, R Studio
	Special Tools:	Tableau, Talend

07	**Type of Industry:**	**Power & Water – Distributed Power (Finance, Sourcing, Engineering, Marketing, …)**
	Project Description:	Building and maintain several BI Solutions (using **Tableau** at the reporting layer, and **Talend** or **Informatica** for data-integration based on requirements) for upper-management, and executives across various business verticals.
	Role/Title:	Lead **Tableau consultant, Tableau Server admin**, Lead ETL (**Talend** & **Informatica**)developer in **Houston, TX**
	Client:	**GE Power & Water – Distributed Power**
	Employer:	Capgemini USA
	Project Duration:	3+ yrs [JAN-2014 – DEC-2016]
	Responsibilities:	

- Managed multiple New and existing initiatives. Leveraged Tableau to build dashboards to provide analytic insights and strategic ability to the business leadership across all verticals under Distributed Power vertical of the client's business. Facilitate the business executives with planning by creating and maintaining dashboards and automated dataflow processes, which will help to reduce manual effort and increase data velocity – all this comes together to showcase KPI metrics that help business plan ahead.
  - o He worked on requirement gathering with multiple business users across various business verticals – expanding his business domain knowledge.
  - o He led the Tableau off-shore team to deliver dashboard deliverables using the agile methodology.
  - o Requirement gathering, and analysis for developing new or enhancing existing Tableau dashboards.
  - o Design dashboards and recommend a path for analysis as per the business end-goals (reduce cycle-time, increase savings, …), to help users drill-through the data to isolate data points of interest that could lead to insights and business productivity.
  - o Designing the Data Architecture to support requirements and data level changes which may impact the visualizations. This involves studying the source systems data structure and accordingly implementing the target Data warehouse tables.
  - o Designing the data integration architecture and maintaining Talend, Informatica, and some HVR data replication jobs.
  - o Responsible for the design, development, documentation and quality assurance of the Tableau applicationas per standards.
  - o Extensively worked on Release activities to migrating the code in QA/Production environment.
  - o Experience in managing Tableau Server& Oracle Hyperion Server-side components: technical architecture implementation, Installation, Configuration, Administration, Upgrades, Hotfix/Patches, Access Management.
  - o Configuring and managing user roles, and supporting deployment process on the Tableau and Oracle Hyperion servers.
  - o To support user and development activities of Tableau applicationby providing support and guidance to design dashboards, troubleshoot, and resolve issues.
  - o Worked in Agile/Iterative methodology and familiar with Rally tool to capture User stories, tasks and estimations.

Operating Systems:	Windows, Linux
Software / Languages:	PL/SQL, Python, UNIX Shell scripting, …
Special Tools:	Tableau (Visualization), Talend (Data integration), Informatica (Data Integration), Cognos, Oracle, HVR (Data replication), Actian Vectorwise, GreenPlum, Rally, …

08	**Type of Industry:**	**Power & Water – Distributed Power (Finance Planning and Analysis)**
	Project Description:	Built an Oracle Hyperion/Essbase solution over Oracle Solaris, and later Windows, for meeting the OLAP reporting requirements of the Finance Planning & Analysis team. These reports served mid to upper management.
	Role/Title:	Senior Hyperion & ETL Consultant
	Client:	**GE Power & Water – Distributed Power**
	Employer:	IGATE/PATNI India
	Project Duration:	2+ yrs
	Responsibilities:	

- Worked closely with the Solution Architect, on the technical architecture diagram (TAD) implementation.
  - Worked with multi-vendor cross-functional teams to implement the architecture. Setting up DB schemas, programming environments, security requirements/access provisioning, MS active directory provisioning, network setup (configuring ports, firewall, DNS/CNAME entries updation, …), storage (SAN, NAS drive mounts setup), memory provisioning, … and other environment setup.
  - Worked on the component-wise installation of Oracle Hyperion Foundation and Essbase services in Development, QA and Production environments. This involves understanding the installation requirements and preparing the environment for installation; understanding the Technical architecture, configuration of the services and finally verification of installation.
  - Maintenance of the services and debugging. Worked alongside the Oracle technical support to resolve outages and apply best practices.
  - Developed UNIX scripts for automating clean-ups, maintenance of logs, monitoring, managing start/shutdown of services, …
  - Thorough documentation capturing every step of the installation, configuration, network, storage, DB schema artifacts, …
  - Provided training sessions to employees within and outside the team on all work done on Hyperion and Informatica design.
- Worked on new business requirements, and lead the ETL Informatica design to implement business logic.
- Developed a complex ETL scheduling system using UNIX scripts to iteratively re-load the data when there was a business dimensional data change affecting the Fact table. UNIX script was capable to running specific loads after checking certain pre-requisite were met indicating data availability – something too complex for Informatica to handle, so scripting was needed. Received appreciation from client and internal upper management for this design.

	Operating Systems:	Oracle Solaris, RHEL Linux, Windows Server
	Software / Languages:	PL/SQL, Python, UNIX Shell scripting, …
	Special Tools:	Informatica (Data Integration), Oracle Hyperion Essbase server, Oracle Hyperion Smart View (reporting), Oracle Hyperion Workspace, Oracle Hyperion Planning, Oracle DB, …

09	Type of Industry:	**Distributed Power - IT Cloud Infrastructure management (Private Cloud, IoT, Reporting)**

Project Description: Building a customized data extraction solution to ingest data from a 3rd party EM7 IS server (product of ScienceLogic) web service that collects metrics from a Virtual datacenter (Private Cloud). We then build the data model, apply business rules via ETL, and finally feed it into Cognos reporting layer. Business would then leverage these reports to check system utilization, vitals, performance, and other data points that help customers tune their capacity request.

Role/Title: Lead ETL Consultant

Project Duration: 4 months

Client: **GEPower & Water – Distributed Power**

Employer: IGATE/PATNI India

Responsibilities:

- New initiative. He worked on this project from initialization to completion, and took care of requirements, design, implementation and testing. Led this project with a team of 1 Informatica/ETL consultant, and 1 Cognos developer.
    - o Worked on Requirement gathering and analysis for this custom solution.
    - o He created and managed the documentation for requirement gathering, questionnaires, ...
    - o Designed the High Level diagram, Swim-lanes diagram and other UML artifacts, for capturing the complex EM7 system processes/timings along with how we needed to integrate it with our solution.
    - o Built a PoC **Python** script solution in 3 days; this helped gain trust with the client on our ability to bring this project to a close as this was a complex and custom requirement, not common for typical BI projects.
    - o Develop the Physical level data model that was later reviewed by the Data Architect, and approved.
    - o Designed, and Developed the Informatica mappings, along with the team, under the guidance of the ETL Architect.
    - o Optimized the solution once we had a ready data model for the reporting team to work on.

Operating Systems: Windows, Linux

Software / Languages: Python, SQL

Special Tools: Cognos (Visualization), Informatica (Data integration), ScienceLogic EM7 Cloud infrastructure monitoring suite

10	**Type of Industry:**	**Business Intelligence Center of Excellence (BI CoE) – DevelopmentAccelerator tools (Automation, Programming)**
	Project Description:	In-house Product "QuickDev" tool can convert ETL mapping specification given in a standard excel sheet into an Informatica PowerCenter mapping in XML format. It accepts a duly filled excel sheet as input, and outputs a valid XML file containing the mapping metadata which is directly imported into PowerCenter. Product manager was my then manager, **Principal Technical Architect, with over 16+ yrs of experience**. This was a tremendous opportunity for Kent to get the right foundation, mentorship and guidance, that has helped him tackle challenges throughout his career.
	Role/Title:	Lead Software Engineer
	Client:	**Internal BI Center of Excellence (CoE)**
	Employer:	IGATE/PATNI India
	Project Duration:	4 months
	Responsibilities:	• Enhancement. He took over the project that was facing technical challenges with its implementation in Perl, and re-built it from scratch.

- o Designed a working prototype in **VB.NET** from scratch. This decision made its implementation and maintenance easier, and helped take on the complexity of generating the XML structure via a simple excel input sheet. Received appreciation for the same.
- o Led this project's development, was the solo developer and had regular meetings with Principal Architect acting as the Product manager, and other senior ETL designers for feedback as they would be the end-users.
- o Researched and created plans for design similar tool for generating DataStage jobs.

Operating Systems:	Windows
Software / Languages:	VB.NET
Special Tools:	MS Visual Studio (IDE), Informatica PowerCenter 8.6, Metadata Manager 8.6, Oracle 9i.

11	**Type of Industry:**	**Business Intelligence Center of Excellence (BI CoE) – PoC (Demo for business Proposals)**
	Project Description:	Worked on creating a PoC demo for "Informatica PowerCenter Advanced Edition: **Metadata Manger**". It is a web-based metadata management tool that you can use to browse and analyze metadata from disparate metadata repositories. It extracts metadata from application, business intelligence, data integration, data modeling, and relational metadata sources. Aim was to create a Proof of Concept (PoC) for demonstration purposes that involved loading of metadata from several different resource types and then conducting data lineage and where-used analysis on the populated metadata.
	Role/Title:	Lead Software Engineer
	Client:	**Internal BI Center of Excellence (CoE)**
	Employer:	IGATE/PATNI India
	Project Duration:	1 month
	Responsibilities:	• Develop sample ETL mappings for analysis in metadata manager. • Configure and Load resources into Metadata Manager. • To conduct and study data lineage and where-used analysis on the loaded resources. • Determining the cause of load failures.
	Operating Systems:	Windows
	Special Tools:	Informatica (Data integration), Oracle, MS SQL Server, Teradata, and several other BI systems metadata was loaded into our PoC project data model.

12	**Type of Industry:**	**Business Intelligence Center of Excellence (BI CoE) – PoC (Demo for business Proposals)**
	Project Description:	Worked on creating a PoC demo for "**Informatica Data Transformation 8.6.1**". Informatica Data Transformation enables you to transform data efficiently from any format to any other format, via XML-based representations.
	Role/Title:	Software Engineer
	Client:	**Internal BI Center of Excellence (CoE)**
	Employer:	IGATE/PATNI India
	Project Duration:	2 month

	Responsibilities:	• To study the Informatica Data Transformation 8.6.1and understand the components functionality.
		 • To prepare the Proof of Concept for demonstration purposes.
		    o Requirement gathering and requirement Analysis
		    o Code creation using DT Studio.
		    o Conduct reviews.
		    o Test case preparation.
		    o PPT and live code simulation for the Presentation to customer prospects.

	Operating Systems:	Windows, Linux
	Special Tools:	Informatica (Data integration), Data Transformation Studio, Oracle, Teradata,...

13	**Type of Industry:**	**Insurance, Management Information System (MIS)**
	Project Description:	Worked on two mini-projects as part of BI Training - BI reporting Solution for Insurance company, and MISreporting for an Education institute.
	Role/Title:	Software Engineer
	Client:	**Internal**
	Employer:	IGATE/PATNI India
	Project Duration:	3 month
	Responsibilities:	- Prepare the requirements analysis document and unit test case document for each module. - Develop Informatica mappings and test separate modules on the client server. - Design the detailed unit, &integration test-cases. - To track the defects encountered during development. - To assign developers to solve the defects and conduct meetings to avoid further occurrence. - To prepare Defect Tracking reports based on the defects handled. - To design Universes using Business Objects and apply business logic on it. - To prepare Reports based on the requirements.
	Operating Systems:	Windows, Linux
	Special Tools:	Informatica Power center 8.6, Business Objects XI, Oracle 9i,

14	**Type of Industry:**	**Web Development, Graphic designing**
	Project Description:	Worked on multiple freelance projects from Web design, Web page development, Web application development, Graphic designing and short animation for Web pages.
	Role/Title:	Web Application Engineer / Start-up
	Client:	**Engineering colleges**
	Employer:	Self
	Project Duration:	1+ yr
	Responsibilities:	- Worked independently and collaborated with multiple designers on multiple web app projects. - Designed Web page templates in Photoshop, and then implemented the design using DreamWeaver (HTML, CSS, JQuery) for multiple clients. - Designed **Kwik Web Content Management System (Kwik WCMS)** to aid professors and students maintain an intra-collegiate social network to manage assignments, and notes sharing. Designed the frontend and backend. It had all the functionality of a WCMS – user management modules, real-time chat, AJAX, custom KML (Kwik Markup language) for users to create attractive formatted pages w/o knowledge of CSS/HTML, WYSIWYG editors, profile pages, upload document tagging and management. →This was aimed at being a start-up to fill in the gap for a professional social network for students – at that time FaceBook, LinkedIn, Orkut, were already pervasive. Kent received support and mentorship for his implementation, and within the college.
	Operating Systems:	Windows, Linux
	Software / Languages:	Web Technologies: ASP.NET, ASP, ADO, HTML, DHTML, JavaScript (JQuery, PrototypeJS frameworks), VBScript, CSS and XML/JSON PL: Python, Visual Basic, VB.NET, Perl, Java (J2SE, J2EE & J2ME)
	Special Tools:	Design: Photoshop, Flash, DreamWeaver, …

Training, Certifications & Affiliations

Technical trainings:

- Completed compnay training on Apache Hadoop, Apache Spark, AWS, Azure, Python, R programming.

- Completed my **Patni internal L1 certification in Business Intelligence** (Oracle 9i, Informatica 8.6/910, Cognos, Business Objects XI).

- Completed NIIT training in Java (J2SE, J2EE & J2ME), Linux, software architecture, UML, and design fundamentals.

Published & Presented / Awards

- Published technical paper "Cloud Computing: For A Better Tomorrow", in 2010, within Information Technology Department magazine, St. Francis Institute of Technology (SFIT) College of Engineering; where I was a studient at that time.

- Developed Kwik WCMS (Web content management system) while pursuing his Engineering degree, and then later showcased it in "Mind's Eye 2009" a **NATIONAL level project competition** (certificate of participation).