Chen Huang, Wei陳黃樟

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Highlight

- 4 years of professional experience with solid system development and data engineering skills
  - **Programming Language:** Transact-Structured Query Language (T-SQL), Java, JavaScript, PowerShell, Python, Multidimensional Expressions (MDX), Data Analysis Expression Language (DAX), XML for Analysis (XMLA)
  - **Framework and Tool:** Spring, AngularJS, SSAS, SSIS, Team Foundation Server (TFS), SaaS Metrics, Docker, Hadoop
  - **Certificate:** Image segmentation from NVIDIA; Hadoop, Spark, Docker, Python from LinkedIn
- Excellent communication and teamwork ability acquired in projects and previous non-programming experiences
- Strong problem-solving skills polished through analyzing complex business analysis requests from different countries, integrating data sources, and adapting settings to various needs and definitions
- Passion for technical solutions to high-value assets, such as jewelry & gem, arts, and antiques

Education

Institute for Information Industry	**Feb 17 - July 17**
Java Technologies for Web Application Program	Taipei

- Developed an online baby-care forum applying Java, jQuery, Oracle, Servlet, Hibernate, WebSocket

Yuan Ze University	**Sep 08 - June 12**
Bachelor of Engineering in Chemical Engineering and Material Sciences	Taipei

(with a minor in Business Administration)

Professional Experience

Trend Micro	a cybersecurity firm with 500,000+ corporate customers and 7,000 employees	**Mar 18 - Dec 20**
Data Engineer, Business Analysis Department	Taipei

- Receive and solve in total more than 100 request cases per year
- Participate in various projects to improve and develop business intelligence systems for the top management team as well as regional leaders of about 70 branches across the Americas, Europe, the Middle East, and East Asia
  - Develop a system on MOLAP Cube to show KPIs and dynamic metrics for the executive managers to track and analyze Trend Micro's global SaaS business
  - Maintain Data Warehouse and Data Mart; integrate data according to data sources, product & client types, business operation accounting regulations, etc. in different countries
- Conduct individual projects and request cases, solving problems independently
  - Finished a Proof of Concept and a plan for the migration of Data Warehouse Pipeline to Azure Cloud Service
  - Created an SSAS upgrade plan

Hung Yang Soft-Tech	a system integration firm	**Aug 17 - Dec 20**
Software Engineer	Taipei

- Redesigned and customized a vulnerability tracking system for Mega Bank, to reduce its costs of tracking and auditing management
- Identified and implemented potential improvements in the internal ERP system
- Won the award Awarded "Star of Hung-Yang" as only 5 outstanding employees among all 150 employees in the company

Jurassic Color Diamond	a gem and jewelry firm	**June 15 - Feb 17**
Business Analyst	Taipei
	Hong Kong
	Shanghai

- Developed overseas business-to-business(B2B) sales business in Taiwan, Hong Kong, Guangzhou; attended 6 jewelry & gem exhibitions per year, such as Taiwan Jewelry and Gem Fair, HK TDC(HK), Baselworld (Switzerland), Las Vegas Show, to develop potential clients

Azbil	an automated management firm	**July 13 - Mar 15**
Sales Engineer	Taipei

- Maintained the business relationship with Formosa Plastics Group and identified clients' needs, achieved sales increase from Formosa of 336% ($200,000) in 2 years

Project Experience

Trend Micro

Project: Business Intelligence Foundation Product Cube (in-house)
Goal: Development on MOLAP Cube to show SaaS KPIs and dynamic metrics
Role: Data Engineer (Architect*1, Data Engineer*5)
Relevant skills: T-SQL, DAX, MDX, Python

Mar 18 - Dec 20

- Design, analyze, and remodel the existing system; finish on average 90 requests per year
- Build a fundamental Data Quality (DQ) system by applying MDX and T-SQL to ensure data quality and increase the frequency of deployment (aiming at 3 times per month of continuous delivery)
- Refactor the Extract-Transform-Load (ETL) structure to ensure the daily run of ETL jobs (on T-SQL)
- Work with Star Schema or SnowFlake Schema to develop Multidimensional Online Analysis Processing (MOLAP) Cubes via MS SQL Server Analysis Services (SSAS)
- Redesign an automatic backup and restore mechanism by using PowerShell and XML for Analysis (XMLA) to maintain storage capacity
- Programmed a batch script in Python that parsed DAX formulas and deletes redundant measures

Project: Global Data Warehouse (in-house**)**
Purpose: Data Integration across 70 branches around the world
Role: Data Engineer (Architect*2, Project Manager*4, Data Engineer*12, Analyst*5, DBA*1)
Relevant skills: T-SQL, PowerShell, SSIS, SQL Server

Mar 18 - Dec 20

- Maintain the Data Warehouse and Data Mart; finish on average 40 requests per year
- Conduct ETL development on informatica with various data sources e.g. Salesforce, Navision, etc.; work with the operation team and database administrator (DBAs) to diagnose and to resolve performance issues; reduced ETL execution time by 30 %
- Develop complex SQL queries through stored procedures, such as using common table expressions (CTEs) and temporary tables to implement data modeling
- Adopted Team Foundation Server (TFS) for source control

Project: Azure Data Warehouse Pipeline POC (in-house**)**
Purpose: Formulation of Proof of Concept for cloud migration
Role: Data Engineer
Relevant skills: Azure Blob Storage, Data Factory, Logic App, Analysis Service

June 19 - July 19

- Deconstructed current pipeline trigger and backup/restore mechanisms
- Created a plan for adapting and integrating mechanisms on Azure Cloud Service

Project: SSAS upgrade plan (in-house**)**

Mar 19 - Apr 19

Purpose: A software upgrade plan
Role: Data Engineer
Relevant skills: PowerShell

- Designed the As-is, temp, To-be architecture for SQL Server Analysis Service (SSAS) upgrade Shared the SSAS key features and new function

Hung Yang Soft Tech

Project: Vulnerability Tracking System (for Megabank)

Nov 17 - Mar 18

Purpose: Development of a customized vulnerability tacking system for Mega Bank
Role: Software Engineer (Project Manager*1 Software Engineer*6)
Relevant skills: Java, AngularJS, SpringMVC, MyBatis, MariaDB

- Developed the case flow including apply, audit, and transfer; developed and built the prototype
- Clarified Application Programming Interface (API) specification with the vendor and integrated API of vulnerability assessment scanning tools

Project: ERP System Improvement (in-house)
Purpose: Identification and implementation of potential improvements in the ERP system
Role: Software Engineer
Relevant skills: Java, AngularJS, SpringMVC, MyBatis, MariaDB

Sep 17 - Oct 17

- Enhanced the UI and validation and log functions