TIANYANG (ALEX) JIANG

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Experienced developer with over three years in coding and data processing. Independently designed and implemented efficient, maintainable architectures for automating data transfer processes. Currently manage company code and databases through the establishment of CI/CD pipelines, enhancing collaborative teamwork. With a personal ambition to transition into game development, eager to apply professional coding and data handling skills to develop beloved products.

EXPERIENCE

DEVELOPER / JUNIOR DEVELOPER (Apr 2021 – Present)
Huon Aquaculture Group Limited

RESPONSIBILITIES:

Custom Script Development for Data Transfer - Specializes in scripting data acquisition and dissemination using Node.js, C#, and PowerShell. Developed over 30 scripts integrated with CI/CD processes in Azure DevOps, with more than half interfacing with third-party platforms. Expert in handling diverse data formats such as JSON, CSV, TXT, and XML. Fully automated projects using SQL jobs.

Extensive ETL Process Experience - Executed ETL processes using custom scripts, no-code applications (Power Automate & Logic Apps), and SSIS. Independently developed three major SSIS projects and designed over 30 packages, with ongoing maintenance of more than 20 SSIS projects.

Professional Data Visualization Reporting - Created tailored Power BI and SSRS reports and datasets, including cubes, based on company needs. Produced nearly 20 professional Power BI reports, and actively maintained and updated hundreds of Power BI reports and over 30 cubes.

Database Optimization - Enhanced database performance and efficiency by creating tables, views, stored procedures, and table-valued functions (TVFs) for precise data access. Utilized these structures for scriptwriting, reporting, and direct file generation for data transfer. Supported colleagues by documenting and reporting on key database tables and views within SQL Server Database Projects in Visual Studio.

Azure Management - Proficient with Azure SQL Database, Azure Blob Storage, Azure DevOps, and Logic Apps. Managed data storage and updates using Azure SQL Database, and utilized Azure Blob Storage for file storage, handling both downloads and employee uploads. Optimized program and database updates via CI/CD processes in Azure DevOps. Implemented no-code solutions using Logic Apps for data downloads, file processing, and email notifications.

INFORMATION TECHNOLOGY TRAINEE (Oct 2020 – Jan 2021)
Huon Aquaculture Group Limited

RESPONSIBILITIES:

Custom Code Development - Crafted Node.js scripts to fetch order data from Shopify's API, conducted data queries to verify shipment status, and automated notification emails to customers upon dispatch.

SQL Query Development - Utilized views and stored procedures to extract and parse data from logistics providers' XML files, then transformed and stored the processed data in the database.

EDUCATION

Master of Information Technology and Systems (Jul 2017 – Dec 2019)
University of Tasmania

Bachelor of Information and Communication Technology (**Sep 2014 – Jul 2017**)
University of Tasmania

SKILLS

DEVELOPMENT AND SCRIPTING
JavaScript, C#, Python, Node.js, Angular, PowerShell

DATABASE AND BUSINESS INTELLIGENCE
SQL Server, SSAS, SSIS, SSRS, Azure SQL Database, Power BI

CLOUD COMPUTING
Azure Blob Storage, Azure DevOps, Logic Apps, Power Automate, Power Apps

APPLICATIONS
Visual Studio, VS Code, Postman, SSMS, Atlassian Suite, SharePoint, SAP

PROJECTS

In Sep 2021, founded ICE Neuron and initiated learning in game development through courses on Udemy and edX.

- Completed courses on edX and subsequently developed a first independent game over eight months using the Love2D engine and Lua programming language; personally created all art and music assets.
- Participated in "The 3 Hour Game Jam" on itch.io, developing three mini-games using Godot. My second game achieved second place in peer reviews among thirty submissions.

ICE Neuron Portfolio: https://iceneuron.itch.io/

ACHIEVEMENT

Industry Recognition - Nominated for the 2022 TASICT Industry Rising Star award for exceptional innovation and contributions to technology.

High-Volume Ticket Resolution - Successfully completed over 1600 diverse tickets within three years, demonstrating expertise in high-volume project management and meticulous execution. Key areas of proficiency include system integration, SSIS package development, Power BI visualization, Logic Apps programming, SQL optimization, and IT troubleshooting.

LANGUAGES

Native in Mandarin, fluent in English

REFERENCES

Available upon request