WEI TAN

Data Analytics Student | Software System Architect Background

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PROFILE

- ✧ Motivated IT Data Analytics student at NSCC, pursuing advanced training in Data Analytics. Backed by over 15 years as a Software System Architect and Software Engineer, with expertise in data-intensive systems, high-concurrency environments, SaaS platforms, and distributed architectures.
- ✧ Currently transitioning into Data Analytics, leveraging strong background in data processing, performance optimization, and system reliability.
- ✧ Proficient in SQL, Excel, Tableau, Power BI, Python, R and data workflows, with a proven ability to design, develop and optimize large-scale solutions.

TECHNICAL SKILLS

Data Analytics & Processing:
- ➢ SQL, Excel, Tableau, Power BI, Python, R, ETL

Databases & Programming:
- ➢ MySQL, MSSQL, Redis, Python, PHP, C++, R

Platforms & Methodologies:
- ➢ AWS, Azure, Nginx, Apache, Git, Jira, Jenkins, Agile, SDLC, OOP, Design Patterns, Algorithms

Expertise & Proficiencies:
- ➢ System Architecture, Cross-Functional Collaboration, Problem Solving

EDUCATION & CERTIFICATE

Google Data Analytics Professional Certificate   **Dec 2025**

Nova Scotia Community College   **Halifax**
Diploma in IT Data Analytics   **Sep 2025 – Apr 2027(Expected)**
Current GPA: 4.0 / 4.0

Beijing Information Science & Technology University   **Beijing**
Bachelor of Engineering in Computer Science and Technology   **Sep 2001 – Jun 2005**

PROFESSIONAL EXPERIENCE

Fivestar Bailiff & Civil Enforcement Services   **Halifax, NS**
Senior Software Engineer   **Aug 2022 – Sep 2023**

Description:
- ✧ Developed a distributed security platform with role-based access, task assignment, and process tracking services.

Responsibilities:
- ✧ Built data collection and processing modules in Python/Django and PHP/Laravel.
- ✧ Optimized queries and caching with MySQL and Redis, improving response times by 30%.

- ✧ Collaborated across teams to deliver a solution aligned with business needs.

Features: Data Collection & Processing, Python, PHP, SQL, Redis, Distributed Systems

Zhangzhongweiwo(Beijing)Technology Co., Ltd.   Beijing
Software System Architect   **Feb 2021 - Mar 2022**

Description:
- ✧ Built a blockchain-based analytics platform aggregating token liquidity, price, trading volume, and transactions into multi-timeframe dashboards.

Responsibilities:
- ✧ Implemented ranking algorithms and delivered data-driven investment insights.
- ✧ Designed real-time data ingestion and analytics pipelines (Python, SQL, Redis).
- ✧ Implemented ETL-like workflows to process data at multiple time intervals (1h – 7d).

Features: Data Analysis, time-series analytics, real-time data pipelines, Python, PHP, SQL, Redis

Beijing Ruijie Networks Co., Ltd.   Beijing
Software System Architect   **Dec 2013 - Feb 2020**

Description:
- ✧ Led development of a large-scale SaaS campus education platform, serving 5M users across 200 universities. This platform included diverse services such as enrollment service, financial service, logistics management service, attendance service, campus card consumption service, campus activity service, and instant messaging service, providing comprehensive assistance to school staff and students in various aspects of work, study, and daily life.

Responsibilities:
- ✧ Directed product, dev, testing, and ops teams to build system from scratch.
- ✧ Managed data-driven modules: enrollment, finance, attendance, campus card usage, and analytics dashboards.
- ✧ Achieved EAL3+ (Evaluation Assurance Level 3+) safety certification. This marked the first time a platform-level product achieved this level of certification in China.

Features: Leadership in data-heavy SaaS platforms, secure data management
Built From Scratch, PHP, C++, Python, SaaS, Significant Scale, SQL, Redis

Sina || Perfect World || Kaixin   Beijing
Senior Software Developer   **Jun 2008 - Dec 2013**

Description:
- ✧ Sina is one of China's largest internet portal companies.
- ✧ Perfect World is one of China's leading game developers and publishers.
- ✧ Kaixin was one of China's leading social networking platforms and mobile game companies.

Responsibilities:
- ✧ At Sina, built instant messaging and live video streaming for 2M concurrent users (2008.6 - 2010.4).
- ✧ At Perfect World, developed real-time voice communication for online games with 5M concurrent users (2010.4 - 2011.3).
- ✧ At Kaixin, developed social SaaS architecture (1.2B registered users, 30M concurrent) and a mobile game that reached Top 3 on App Store free chart. (2011.3 - 2013.12).

Features: Handling large-scale data traffic, concurrency, and user analytics, Python, C++, SQL