THAN CHEN
SENIOR DIRECTOR

KEY EXPERTISE

- Software Development
- Database Management
- Data & Analytics
- Agile Methodologies (Scrum, Kanban)
- SDLC
- Cloud Computing (Azure)
- Data Visualization (Power BI, Tableau)
- SQL & Query Optimization
- ETL Process
- Data Warehousing
- Machine Learning

EDUCATION

CALIFORNIA STATE UNIVERSITY AT FULLERTON

- BA - Business Administration (Management Information System)

LANGUAGES

- English (Fluent)
- Vietnamese (Conversational))

CONTACT

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SUMMARY OF EXPERIENCE

Than Chen, based in Los Angeles, CA, has dedicated his career to all aspects of software engineering, from development and design architecture to directing teams in creating high-quality, innovative enterprise software solutions. With over 25 years of experience, Than is a seasoned technical leader with a proven track record of solving complex problems, demonstrating leadership, and building high-performance teams. He is also a hands-on technical leader, capable of directly contributing to technical solutions. He specializes in developing web and client applications using .NET C#, Vue.js, JavaScript frameworks, HTML5, CSS3, WPF, relational databases (SQL Server and Oracle), data analytics and visualization, Databricks, and the Elastic Stack.

ROLE

Than Chen is an expert in IT technical assessment, due diligence, ETL processes, data analysis, business intelligence, and cloud computing with a focus on Azure. He excels in application development, including performance, scalability, security, and testing. Than is skilled in data preparation, developing data pipelines, and designing ETL workflows. Known for his problem-solving skills, attention to detail, and interpersonal abilities, he is proficient in .NET C#, Java, Vue.js, SQL databases, data mapping, and data quality.

In programming, Than has extensive experience in microservices architecture, using Docker and Kubernetes for containerization and orchestration. He is adept at transforming monolithic applications into scalable microservices. Than's diverse skill set ensures robust, scalable, and secure software solutions, demonstrating his commitment to modern development practices.

CERTIFICATIONS

Microsoft Certified Professional Developer – SharePoint
Microsoft Certified Technology Specialist – SharePoint
Microsoft Certified Application Developer
Microsoft Certified Database Administrator
Microsoft Certified Solutions Developer

FORMER EXPERIENCE

- JS Held – Managing Director
- Ankura – Senior Director
- Navigant Consulting – Director
- NTT Data – Senior Technical Specialist
- CashCall – Software Development Manager
- Ceira Technologies – Software Development Manager

Healthcare

- As the lead on projects centered around healthcare data ETL pipeline design and execution, I spearheaded efforts to efficiently extract, transform, and load transactional claims data from diverse sources into a centralized data warehouse. Within this realm, I developed an application to automate processes tailored for parsing and validating EDI files, including meticulous handling of 835 and 837 files, all while ensuring strict compliance with HIPAA regulations and upholding the highest standards of data precision. Moreover, I took charge of driving initiatives aimed at optimizing billing systems, fostering cross-functional collaboration to streamline processes, curtail processing durations, and bolster efficiency within revenue cycle management frameworks. As part of my mandate, I oversaw the implementation of cutting-edge data quality monitoring tools, strategically deployed to preemptively pinpoint and rectify issues within output reports, thus fortifying the overall reliability and integrity of our data infrastructure.

- Conducted in-depth analysis of healthcare transactional claims data, identifying trends, patterns, and anomalies to provide actionable insights for decision-making. I also developed custom reporting solutions tailored to the specific needs of internal teams and external clients, ensuring timely and accurate delivery of information. Collaborating closely with business end-users, I ensured compliance with regulatory requirements and industry standards pertaining to healthcare data privacy and security. Additionally, I provided training and support to end-users on data access and reporting tools, empowering them to make data-driven decisions and promoting self-service capabilities.

- Orchestrated the consolidation of full Medicare data spanning multiple years and hundreds of gigabits of data into a centralized repository. This endeavor demanded a holistic approach, covering every aspect from data collection, storage, loading, integration, quality assurance, to governance. Utilizing sophisticated ETL processes, we meticulously extracted, transformed, and loaded data from diverse sources while ensuring strict adherence to regulatory standards such as HIPAA. Through meticulous data integration efforts, we harmonized disparate datasets, facilitating longitudinal analysis. Concurrently, I spearheaded the development of performance analysis reports, meticulously outlining key metrics for provider performance, patient outcomes, and cost analysis. Rigorous testing and validation protocols were diligently implemented to uphold the highest standards of accuracy and reliability. The culmination of this effort resulted in the deployment of intuitive, user-friendly reports and dashboards, empowering stakeholders with actionable insights, all the while maintaining robust data governance and security measures.

Software Development

- Developed and implemented a WPF application using C#, XAML, MVVM, and Telerik controls to enable analysts to build AML (Anti-Money Laundering) rules-based and risk-based rules. This application automates the creation of SQL scripts utilizing advanced analytics, workflows, and case management to monitor and investigate activities for AML compliance. The application also features a comprehensive dashboard with visualization tools, significantly reducing the time required to analyze data, visualize patterns, hypothesize monitoring strategies, and validate scenario deployments. This streamlined approach enhances the efficiency and effectiveness of AML monitoring processes, ensuring adherence to regulatory requirements and improving the overall risk management framework.

- Leading a 12-member development team and a four-member QA team, I directed the design and re-engineering of the loan origination platform for online consumer loans and mortgage applications. Throughout my tenure, I managed and delivered multiple large-scale projects within the loan origination and servicing platforms, focusing on leveraging new technologies to streamline user interfaces and enhance usability for business users. Notably, I spearheaded the creation of a configurable workflow management system for mortgage lending, automating task triggers based on business rules and efficiently organizing them into agent queues while interfacing with third-party systems to manage outstanding requests. Additionally, I led the development of several intranet web applications using SOA architecture and an agile development process, implementing a multi-layered architecture with industry-standard tools and frameworks such as Web Client Software Factory, Web Service Software Factory, WCF, ASP.NET AJAX, MS Enterprise Library, Infragistics, and Telerik RadControls. Furthermore, I managed and developed a MISMO-compliant mortgage application platform for loan origination and servicing, utilizing Empower for .NET to automate business rules workflow, product and pricing engine, servicing, flood, appraisal, tax, title, and compliance services.

- Led the architecture, design, and development of a comprehensive web application tailored for managing corporate bank client transactions, which encompass real-time handling of certificate of deposit, foreign exchange, loans, and other financial transactions, including money lending and transfers between branches. This sophisticated application seamlessly interfaces with the corporate mainframe and Oracle databases across global branches. Developed as a multi-tier solution, it utilizes ASP.NET, C#, and MS SQL Server on the Windows Server platform, incorporating advanced technologies such as WCF, AJAX, jQuery, MS Enterprise Library, Crystal Reports, and Telerik RadControls to ensure robust functionality and efficient performance.