

HANABAL THALEN KHAING

US CITIZEN

Summary of Qualifications & Terms

- US Citizen by birth
- Over 25 years of Information Technology experience
- Business Requirements to Data Model to Object Oriented Base Code Application Development
- Primary Industries: Banking, Health Care, Manufacturing, Telecommunications, Security, ERP
- **Intellectual Property:** ERP, BIS, CRM, EMR/EHR, PPM, LMS, Legal, and DMV Data Models

Experience includes:

- Complete ERP, BIS, CRM, PPM Data Model Created from UML to DDL and deployment
- EMR/EHR Electronic Medical/Health Record & Insurance System
- Data Modeling
- Dimensional modeling
- Relational Data Modeling
- Logical Data Modeling
- Physical Data Modeling
- Relational Data ETL source to target mapping
- scripting and transformation
- Erwin
- ERStudio
- EOModeler
- Database Consolidation
- SDLC, Agile
- Data Warehouse (EDW)
- Data Dictionary, Metadata
- Business Requirements gathering and logical modeling
- SQL query & performance tuning
- Teradata
- Oracle 7, 8i, 9i, 10g, 11g, 12c
- MS SQL Server
- IBM DB2, UDB
- Hadoop & NoSQL, BigData
- Data Security & Encryption
- IT Management and Architecture Design
- Enterprise Architecture Design
- Enterprise Cloud Architecture Design
- Project Management & written reporting
- Financial Data
- Accounting Data
- PeopleSoft
- Healthcare HEDIS and HIPAA development
- Data Governance
- Data Management
- UNIX & Linux
- HTML & CSS Web Interfaces to databases
- Java EE 6,7,8
- Rapid Application Development
- OLAP
- SAP Business Objects

Professional Experience

ARTIBIS C2C (TeraNova, LifeScale, CCNC), Raleigh/Charlotte, NC 12/2015 - Present

Sr. Data Modeler, Data Architect

- EMR/EHR System & Data Model Created, Data Modeling and Architecture Design Review
- SaaS software design for Medicare/Medicaid
- HEDIS Data Model Development, Security data model development
- Data Governance Implementation, Policies, and Review, EDW, Master Data
- Customer Administration Automation Project Design Review
- Logical & Physical Data Modeling
- Data Definition Language Generation (Rapid Updates)
- Change Control & Coordination (DEV, QA, Production teams)
- SVN, Identity Management
- MS SQL Server, Oracle, OLAP, OLTP
- Database Reverse Engineering, ETL, Data Model Repair & Recovery
- CA Erwin, MS Excel, MS Word, Collaboration Tools
- MS Windows Server, Linux
- Software load testing

ARTIBIS C2C Contracts (IT People Inc. METLIFE), Cary, NC 02/2015 - 12/2015

Sr. Data Modeler

- Insurance and HEDIS Data Model Development (Disability Insurance Product Coverage)
- Data Modeling and Architecture Design Review, 3NF Dimensional Modeling
- Data Governance Implementation, Policies, and Review, EDW, Master Data
- Customer Administration Automation Project Design Review
- Logical & Physical Data Modeling
- Data Definition Language Generation (Rapid Updates)
- Change Control & Coordination (DEV, QA, Production teams)
- Remedy, PeopleSoft, AKMS, MetLife Identity Management, Accounting Data (PeopleSoft)
- Oracle 9i/10g/11g/12c, Sybase, Hadoop, MS SQL Server, Informatica, MySQL, IBM DB2
- Teradata, TD Views, OLAP, OLTP
- Database Reverse Engineering, ETL, Data Model Repair & Recovery
- CA Erwin, MS Excel, MS Word, Collaboration Tools
- SOLARIS 10/11, AIX 6/8, MS Windows Server, Linux

ARTIBIS C2C Contracts, Washington, DC, Charlotte, NC 06/2013 - 02/2015

Director of Software Design, Sr. Data Modeler / BIS Prototype Architect

- Complete Corporate and Government Business Intelligence System Design and Implementation
- EMR Data model design and implementation
- Government DVM, Legal, and Learning Management Data Model and Java EE Application
- Hardware Architecture Design and Integration, SaaS, PaaS, IaaS, Cloud
- Third Party Emergency Software Repair and Development
- Project Management, Asset Management
- Software License Negotiation
- Logical & Physical Data Modeling, DDL, DML, UML
- Oracle, MySQL, MS SQL Server Data Model porting
- CA Erwin 9, DDL, SQL, PL/SQL, OLAP, OLTP
- ETL - Data extract transform and load to relational databases
- Business Intelligence, SaaS, Big Data Analytics
- UML Documentation, Writing, eBook publishing for document archives
- SDLC, Data models from business requirements and meetings
- Unix, Linux, Web Interfaces to databases, Java EE 7
- DMV Data Model, EHiv Data Model, Reverse Engineered Models
- Accounting Data Modeling, Financial & Investments Data modeling, CCAR
- KPI Metrics (Key Performance Indicator)

TE Connectivity / Tyco Electronics Corp. Washington DC, Harrisburg, PA 08/2007 - 04/2013

IT Analyst (Data Modeler, Enterprise Systems Architect, DA Contractor Offsite)

- Relational Database Design for on-line parts and engineering system
- Logical and Physical data modeling, DDL, DML, UML,
- Database reverse engineering, Normalization strategy, OLTP, OLAP SAP BO
- CA Erwin, 3NF Dimensional Data Modeling, Apple WebObjects EOModeler, Eclipse
- Enterprise Architecture Review and Design, Cloud Architecture Design
- Hardware Architecture Design and Integration
- Production Support Response and Repair
- Internet Backbone Cabling Optimization Database Design
- Internet Backbone Cable Ship Route Optimization Database
- Training Program Design (Complete Analyst Training Target)
- Production Support, Production Performance Tuning
- SaaS, PaaS, LaaS
- IBM WebSphere Administrator, Cluster design, cluster capability upgrade for Java applications
- Database Auditing, System Auditing, Production Deployment Plan Auditing, Metrics
- Oracle 9i, 10g, 11g SQL query analysis with explain plan and other tools
- Data Warehousing & Data Project Management
- SDLC, 6 Sigma, Production support - Data migration, installation strategy
- Unix, Linux, Microsoft Windows, Web Interfaces to databases, Java EE 7
- Big Data, Hadoop & NoSQL, Company Image Unstructured Data Collection
- MS Excel, MS Word, Collaboration Tools
- HP PPM & Documentum Document Management System
- KPI Metrics (Key Performance Indicator), Comprehensive Capital Analysis & Review
- CCAR - Comprehensive Capital Analysis and Review

PA PENNDOT / InfoTech Consulting / Deloitte, Harrisburg, PA 02/2007 - 05/2007

Sr. Data Modeler / Enterprise Systems Architect

- Relational Database Design, ETL, Data Warehousing, DMV Data Model
- ER/Studio, CA Erwin, Logical and Physical Data Modeling, DDL, DML, UML
- Database reverse engineering & Normalization strategy
- Process Modeling Review, OLAP, OLTP
- Architecture Design, DMV Database Re-Design, Database Consolidation
- Data Governance documentation, design, review, and best practices
- Project Management, Collaboration through Business Analysts
- Joint Application Design Sessions, SDLC, Enterprise Architecture Design
- Oracle 10g & Data Project Management
- Unix, Linux, SaaS, Web Interfaces to databases, Java EE 7
- MS Excel, MS Word, Collaboration Tools

NC Department of Justice / Technisource Inc. Staffing, Raleigh, NC 11/2006 - 02/2007

Sr. Data Architect

- Social Security Number Encryption, Data Encryption, Custom Encryption Keys, Gov. Data Model
- ER/Studio, CA Erwin, Data and ETL Project Management, 3NF Data Modeling
- Data Modeling, DDL, DML, UML, Logical and Physical Data Modeling, OLAP, OLTP
- Security Analysis, Architecture Analysis, Requirements Gathering & SDLC
- Oracle 9i, Oracle 10g, MS SQL Server, MS Access, MS Excel (Database Consolidation)
- Data Warehousing & Social Security Key Replacement & Encryption
- Solaris Unix, Linux, HTML & CSS Web Interfaces to databases, Java EE 7

Transoft Inc. (Acquired by NCR after Project Completion), Cary, NC 12/2004-11/2006

Sr. Data Architect

- Created System for Cash Management on Oracle with Java and new data model
- Data Modeling - Logical & Physical
- Data and Enterprise System Architecture Design

- Erwin, ER/Studio
- Data Warehousing, OLAP, OLTP
- Software and Database Redesign & Port from SAS to Oracle, SAS to Teradata
- Extract Transform and Load from SAS databases to Oracle Relational Databases
- Oracle 8i, Oracle 9i, and Oracle 10g for Solaris, HPUX, AIX, SuSe Linux, RedHat Linux
- Teradata, TD Views, OLAP connector
- SQL, PL/SQL, HTML & CSS Web Interfaces to databases, Java EE 7
- SuSe Linux Enterprise Server, Solaris UNIX
- Cash Management, ERP, Supply Chain, BIS
- SDLC, SaaS, IaaS, PaaS, Cloud Architecture

NC Department of Public Instruction / HPS Staffing, Raleigh, NC 01/2004 - 12/2004
Sr. Data Architect, Project Lead

- Created Data model and application for state-wide school meals management system
- Data Modeling Erwin, OLAP, OLTP, 3NF Dimensional Modeling
- Data Auditing and Accounting System Auditing (State Wide School Meal Billing)
- ETL from spread sheets, paper files, fax documents, and MS access to Oracle
- Database Encryption & Connection Encryption, Database Consolidation
- SQL, PL/SQL, HTML & CSS Web Interfaces to databases, Java EE 7
- Data Warehousing & performance tuning
- Oracle 9i Database on Solaris and Linux
- SuSe Linux Enterprise Server
- WebObjects EOModeler (Enterprise Data Modeling Software)
- SDLC, MS Excel, MS Word, Collaboration Tools

Perot Systems (Acquired by Dell), Tampa, FL Dallas TX, Plano, TX 01/2003 - 12/2003
Data Architect - Healthcare / HIPAA / HEDIS

- Created Data Model, Application, and Deployment Plan for Health-care billing and EMR
- Data Modeling - Physical & Logical, CA Erwin
- Data warehousing, ETL & Database Consolidation
- Database and Software Re-Design & Repair
- Insurance Data Project Management, Data Systems Architecture Design
- HTML & CSS Web Interfaces to databases, Java EE 7
- Data & Application Clustering configuration,
- Data Deployment Automation with UNIX shell scripts, Ant, and Java
- VITRIA, OLAP, OLTP
- PeopleSoft BIS, Accounting Data, EDW, Data Warehouse Snowflake Schema
- Clear Case Code Manager Data Consolidation
- HIPAA, HEDIS, Healthcare Data, SaaS
- SDLC, MS Excel, MS Word, Collaboration Tools
- Accounting Data Modeling, Financial & Investments Data modeling
- Insurance Accounting Data, Insurance Billing & Payment, CCARSr. Data Architect,

Sony Latin America / Tek Systems, Miami, FL 02/2002 - 12/2002
Enterprise Systems Architect, Development Team Manager

- Created Data model for on-line product displays and inventory and internal data entry system
- Development and Data Team Management
- Data Project Management (USA, Japan, Latin America)
- Relational Data Modeling - Logical & Physical, OLAP, OLTP, 3NF
- Erwin, HTML & CSS Web Interfaces to databases, Java EE 7
- Extract Transform and Load, Data Validation, Data Entry Forms
- Data Warehousing, Automated Data Growth Alerts
- Automated Data Transfer - Japan to US, US to Latin America
- SQL, PL/SQL, Oracle, DB2, JDBC Drivers/Data Source Configuration
- WebObjects EOModeler
- Sun Solaris UNIX 7 and 8, SuSe Linux

- Epiphany, SAP, and custom ERP software integration with data encryption

Univision / Tek Systems, Miami, FL

09/2001 - 01/2002

Data Architect, Enterprise Systems Architect, Development Team Manager

- Created data entry system, application, and data model
- Development Team Management, Rapid Software Repair and Development
- Relational Data Modeling - Logical & Physical, 3NF Dimensional Modeling
- CA Erwin, TOAD, OLAP, OLTP
- Extract Transform and Load (ETL) process design
- Data Warehousing
- Data entry and update forms
- Oracle, Oracle RMAN, Performance Tuning, IBM DB2
- SQL, PL/SQL
- Sun Solaris UNIX 7 and 8, SuSe Linux

Mars Music

Miami, FL 06/2001 - 09/2001

Data Architect, UNIX Systems Administrator, Production Systems Architect

- Created e-commerce system, data model, and application
- Relational Data Modeling - Logical & Physical
- Production Systems Architecture Design & Performance Tuning
- Erwin, HTML & CSS Web Interfaces to databases, Java EE 7
- Extract Transform and Load (ETL) process design
- Data Warehousing, EDW, Snowflake Schema
- Data entry and update forms
- Oracle RMAN, Performance Tuning
- SQL, PL/SQL, OLAP, OLTP
- Sun Solaris UNIX 7 and 8, SuSe Linux, BIND DNS Database
- ATG Dynamo Database, Personalization, Java Application Administration
- Accounting Data Modeling, Financial & Investments Data modeling, CCAR

Hewlett Packard / Dataforce Staffing, San Francisco, Cupertino, CA 12/1999 - 12/2000

Data Architect & Enterprise Systems Architect

- Created e-commerce system printing and digital imaging products, application and data model
- Production Architecture Design & Performance Tuning (10 million Unique Users) OLAP, OLTP
- Three and Four Tier Unix Clustered Systems Design
- Data Modeling - Logical & Physical, HTML & CSS Web Interfaces to databases, Java
- Erwin, ETL, data conversion, materialized views, 3NF Dimensional Modeling
- SQL, PL/SQL, Java Stored Procedures, Oracle JDBC Drivers
- HPUX 10.20/11.0
- Written system and project reports, SaaS, eCommerce Data

PREVIOUS EXPERIENCE AVAILABLE UPON REQUEST

Military/Government Experience/Contracts

U.S. Army / Army National Guard (Reserve Duty / Non-Veteran Status) 1991-1996
Electronics & Encrypted Data Communications Specialist (31U + 95B/31D)

Military Certifications

- Cryptography, Java Cryptography, Data Encryption
- Transec Encryption, Broadcast Encryption, Telecom, Radio Frequency Encryption
- Spread Spectrum hardware and software, Spread Spectrum encryption
- Crime Timeline to Database Design, Statistics and Metrics Database, Operations Data
- OCS Ft. Bragg
- PLDC - Personal Leadership Development Course
- Leadership & People Management Training
- Military Police Training, Urban Defense Training, Data Security Training
- Logistics Training
- Electronics Communications Training
- 31U (Army IT & Communications), 95B/31D (Army Military Police / CID)

Education:

- **NCSU 1993-1996**
 - o Mechanical Engineering (3 years)
- **Alliance Française - Paris France (Database Character Set Project) 2013**
 - o French levels 1, 2, & 3 immersion course, computer vocabulary study, French to English Database Reverse Engineering, English to French Database Reverse Engineering

Additional Qualifications, Terms, and Conditions

- Previous US Government Security Clearances Confidential, Secret, Top Secret, SCI, SCIF
- Multi-state CCW clearable with FBI background check
- **Rates Contract** 1099, corp to corp, or less than 2 years: \$195 - \$2500 / hour San Francisco, New York city, Los Angeles, Paris France or similar city (2-year or longer agreement must be binding and in writing)
- **Rates permanent** 2+ years - \$150,000 - \$600,000+ by location or (110 x Average Rent) which ever is greater
- Salary Perspective: Min, Mid, High W2 Tax Rate Calculation: State Income Tax (13%-14), Local (8%), Federal (28% - 39.6%), Social Security (6.2%), Medicare tax (1.45%), and Sales Tax (8.5%) = 56.65% - 65.15% - 77.75% tax (Sample Net pay @ \$400,000 salary Manhattan, NY = \$123,000 annually before spending and sales tax with all other tax prepaid, \$10250 monthly - Estimated mortgage with tax and insurance \$10,000 - \$14,000 monthly, with a profit of \$250, no food, no electricity, and no car. Therefore, baring external wealth, this would be a renter's salary. A renter could pay \$3000 / month rent + \$1500 in other expenses, and an additional \$500 / month per additional dependent family member for an estimated minimum monthly cost of \$5000 and an average cost of \$7000 or 70% of net pay and a total profit margin of 9% to 15% of gross pay. To buy a home for a family which costs between 1.5 to over 2 million dollars, one would need to make \$600,000 or more annually.) Please plan your offer accordingly, no offer accepted below the stated rates.