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**Career Objective:**

To utilize my advanced technical knowledge and potential skills and experience to develop innovative solutions.

**Profile Summary:**

* 16+ years of extensive experience in IT field( out of which 6 years into Investment Banking)
* Ten years of strong experience in software Analysis, Design and Development and Testing using C, C++, VC++ (MFC)on Windows , COM dlls and COM InterOp**.**
* Expertise in Front End development on Windows using **VC++, C#.NET, VB.NET**
* Played a key role as DevOps Manager and Technical Architect for 5 years
* Working experience with Cloud infrastructure of **AWS** (Amazon Web Services) and computing AMI virtual machines on Elastic Compute Cloud (**EC2**), **S3** and **VPC, AWS CI/CD pipeline**, **ELB and RDS**
* Involved in setting up **Jenkins** Master and Slave nodes for **CI/CD** process and creation of jenkins pipeline jobs, Kubernetes Cluster
* Working experience in **Docker** installation and usage of Docker images, **Kubernetes** cluster management.
* Working experience in using **Ansible** for Configuration Management, and **Terraform** as Iaas service for AWS provider
* Worked through all the project life cycle **SDLC** (Software Development Life Cycle), starting from high level design to system/integration testing.
* Knowledge of advanced level programming in C/C++ like thread synchronization multithreading, multi-processing and TCP/IP Socket Programming.
* Had extensive practice of **Design Patterns** Like Factory, Singleton and Observer.
* Extensively used of various tools **Putty**, **WCP**/SFTP, **JIRA** bug tracking, Vagrant, **Oracle** Virtual Box, **Teradata** express and **RDP** tools
* Worked on setting up AWS Cloud Infrastructure for DEVX project involving multiple environments (Dev, UAT and Production).
* Automating build & deployment processes by configuring Build and Release pipelines using Devops, Jenkins and Ansible configurations for multiple projects.
* Resolve Environment related issues and ensure smooth functioning of applications.

Identify improvement ,automate environment validation,build/deployment tasks etc.

Explore and analyze the tools available (for environment management, CI/CD), run the POC to accommodate those tools to improve the existing tasks/processes.

* Experience in working with various databases like SQL, PL/SQL, **SQL Server** 18, **Oracle**, **PostgreSQL** , **MongoDB** and Hive DB's and types of various configurations like Kerberos , LDAP , X509 certificate and SSL types.
* Experienced in **Java**, Hibernate and Spring Framework programming
* Highly experienced with source code management tools like **Github** Configuration Tool, **SVN**, **Perforce**  and **clearcase**
* Experienced with software build automation tools like **Ant**, **Maven**, **Gradle** and Ansible for the software project management.
* Experience in developing ERP product using SAAS Architecture, along with .Net development programming language
* Good at getting acquainted with the latest technologies and implementing innovative ideas and solutions for a problem. Good at analytical skills and always strives for working out an efficient product. Excellent as a team player and can also work at individual level.

**Employment History:**

* Worked as Program Development Manager for **Readywire** technologies since Feb-2023 to March-2023.
* Worked as Technical Delivery Manager for **Accolite** **Hyderabad** Since November 2016 to Feb-2023.
* Working as Senior Staff Engineer for **PayPal Chennai** deputed from **Altimetrik** Since December 2014 to March 2016.
* Worked as Team Leader for **UBS Singapore** deputed from **IAS-an IBM company**

Since June 2013 to November 2014.

* Working as Senior Software Engineer for **PayPal Chennai** deputed from **Altimetrik**

Since August 2012 to May 2013

* Working as System Programmer(Consultant) for **Citibank Singapore** deputed from **Polaris Software Lab Pte Ltd** from August 2008 to June 2012.
* Worked as Senior Systems Engineer for **Cerone Software Lab Ltd** from Jan 2006 to August 2008.

# Technical Skills:

**Languages:**  C++, VC++, MFC, C#.NET, Java

**Development Tools :** Visual Studio 6.0, Visual Studio 2003 to 2019

**DataBase:** Oracle 10i(SQL and PL/SQL), SQL server 2005, MySQL,

MongoDB, PostgreSQL, Teradata

**Web Technologies:** HTML and XML

**Operating System:** Windows, Linux, Unix, RHEL, Cent OS, Solaris

**Configuration Management:** IBM Rational Clear Case, SVN, Git, Assembla and

Perforce

**Frameworks:** .NET Framework 4.0, Spring Framework 3.0 and Hibernate

**Cloud Technologies:** AWS, Azure

**Build Tools:** Ant, Maven, Gradle

**Configuration management:** Puppet, Ansible, Terraform

**Continuous Integration:** Jenkins

**Containerization:** Docker, Kubernetes

**Monitoring Tools:**  Prometheus, Grafana, DynaTrace

# Achievements:

* Received “**Women Recognition award in 2022 @Accolite Digital Pvt. Lab. Ltd.”** for the work done in the WhereScape Project.
* Received “**SPOT** award in December 2021 **@Accolite Digital Pvt. Lab. Ltd.”**

for the work done in the WhereScape Project.

* Received “**SPOT** award in March 2019 **@Accolite Digital Pvt. Lab. Ltd.”**

for the work done in the ADS Project.

* Received “”**Igeek Award in 2018 @ Accolite Software Pvt. Lab. Ltd** contributing in High-pressure project in ERStudio for MongoDB and Hive DB Modules
* Received “**Excellence Award in 2012 @ Polaris Software Lab Ltd”** for resolving client’s raised issue.

# Educational Qualifications:

* PGPCC (Post Graduation Program in Cloud Computing includes AWS,Azure and GCP ) with 4 CGPA
* MTech in Software Systems with 7.2 CGPA from BITS Pilani
* B.Tech (In Computer Science) with 74% from JNTUniversity, India, 2005.
* Diploma in Computer Science with 74% from Govt Polytechnic College Warangal, in 2001.

**Projects Summary as part of PGPCC:**

1. Creating a file share & sync solution using OwnCloud and AWS Services used are VPC, RDS, S3 and EC2 – at Great Lakes
2. AWS Lambda support for container images docker (ECS & ECR) provides customers with more choices when it comes to packaging. Developers can now choose to take advantage of the event-driven runtime model and cost-savings advantages of AWS Lambda – at Great Lakes
3. AWS Managed Services for Parsing the files sent by Customer to S3, event trigger in S3 will put the message in SNS topic, a program in EC2 parses and creates CSV file into another S3 bucket – at Great Lakes
4. Creating private cloud VPC, used these services to build a private network, private and public subnets, baston hosts, custom route tables, internet gateways, NAT gateways, NACL’s and Security Groups.

# Wherescape RED and 3D

As a data warehouse specific tool, WhereScape RED embodies a simple, pragmatic approach to building data warehouses. With WhereScape RED you specify what you want to achieve by dragging and dropping objects to create a meta view, and then let WhereScape RED do the heavy lifting of creating the necessary tables, procedures, documentation, etc. Data warehouse wizards prompt for additional information at critical points to provide the maximum value from the generated objects.

Different data warehousing approaches including agile, prototyping and waterfall are supported by WhereScape RED. Agile developers will find specific functionality has been included to support common agile practices. For developers who are new to data warehousing, or are looking for a fast, pragmatic approach, WhereScape's Pragmatic Data Warehousing Methodology can be used.

With WhereScape 3D, data warehouse designers, modelers and planners can:

* Auto-profile, explore and document any potential source system for a data warehousing project, including detailed examination of source data at the table and column levels.
* Design, model and test any target data warehouse schema, whether normal form, dimensional or hybrid using real source system data.
* Capture user stories, interviews and all other requirement artifacts as an integral part of the planning process in a managed repository.
* Investigate a purchased enterprise data model in the planned target environment in conjunction with real source system data.
* Perform a complete source-to-target mapping between profiled and documented source systems, and designed target schema.
* Test planned schema, populated with data, for functionality and coverage, with end users, before building activities commence.
* View, manipulate and associate conceptual and logical views of the proposed data warehouse or data mart.
* Capture the design rationale for the new environment, while the project team is in planning.
* Generate task-based views of the project, and assign resources, time and cost to each task, while maintaining data-based and model-based views of the project.
* Generate complete project documentation, for governance, funding or internal communications.
* It integrates with RED to generate reports on 3D data.

**Client: IDERA US**

**Language:** VC++, C++, C# and JAVA

**Platform:** Windows

**Tools:** Jenkins, JIRA, DevOps and AWS

**Deployment Tools:** Docker and Kubernetes

**Roles: Technical Architect**

**Responsibilities:**

* working alongside IDERA architects or clients to agree their IT requirements
* working alongside Accolite Managers to make the dev team understands the requirements
* identifying the hardware and software that will be needed
* explaining plans agreed with managers to designers and developers
* designing the solutions for issues that occur in customer environment
* helping the technical teams in the most efficient way
* monitoring progress of the project and ensuring it's completed on time
* reporting progress back to managers or clients
* carrying the technical work
* checking IT systems work as intended
* advising and suggesting future IT developments to managers or clients.
* setup Continuous integration with Jenkins and make use of wide range of plugins available to setup smooth developer friendly workflows

# Aqua Data Studio : IDERA Client

Aqua Data Studio enables users to query and analyze data, as well as create robust visual analytics. Over 300,000 data professionals use Aqua Data Studio to design, develop, model, and administer their data sources.

* Use a single tool to manage many tasks for over 35 supported database platforms
* Easily build, execute, and share SQL statements
* View, filter, and edit query results in an Excel-like grid
* Analyze data with drag-and-drop to create visualizations and dashboards
* Compare schema, data, query results, files, and folders

**Client: IDERA US**

**Language:** VC++, C++, C# and JAVA

**Platform:** Windows

**Tools:** Jenkins, JIRA, DevOps and AWS

**Deployment Tools:** Docker and Kubernetes

**Roles: Technical Architect**

**Responsibilities:**

Mentoring the team members and picking up the high priority tasks and core scratch tasks as an individual contributor, developing scheduler tasks within ADS, delegation of tasks to team members.

# ERSTUDIO : IDERA Client

ER/Studio Data Architect is an industry-leading data modeling tool for designing and understanding databases, helping companies discover, document, and re-use data assets. With round-trip database support, you can reverse-engineer, analyze, and optimize existing databases. Productivity gains and organizational standards enforcement can be achieved with ER/Studio Data Architect's strong collaboration capabilities.

### ER/Studio Family Products:

There are several products in the ER/Studio family:

1. ER/Studio Data Architect
2. Repository
3. ER/Studio Team Server Core
4. MetaWizard
5. ER/Studio Viewer

**Client: IDERA US**

**Language:** VC++, C++

**Platform:** Windows

**Tools:** Jenkins, JIRA

**Roles: Technical Delivery Manager and Developer**

**Responsibilities:**

Was involved in this project since we got the business and I have given 6 to 7 releases of this project, still I am active and played a key member of this project. Development and enhancement and bug fixing, given major releases like MongoDB database integration into ERDA applications with C Drivers for MongoDB. Resolving the JIRA tickets created by end users. I managed the Total Build environment. I managed Jenkins jobs of this product to make sure for smooth delivery and mentor the team members on coding standards and on the product.

# CIAAS [Continuous Integration as a service]

In this project we moved from conventional dedicated Jenkins installed VM per developer to cloud based builds. Each developer would still get a dedicated Jenkins but a lightweight version spawned out of cloud. The build nodes will be spawned out of the cloud only on demand (a build in queue) and the resource will be given back to the cloud once the build is complete. All layers in this architecture are built with high availability in mind.

CI as a service provides a CI for each team/application. Provisioned CI runs on top of apache mesos infrastructure, for automated CI for their respective products as well as deployment to the staging environments. This tool provides product health information to the PayPal management team and it gives end to end experience for PayPal developer’s right from development to deployment.

**Client: PayPal Chennai**

**Language:** JAVA, XML

**Environment:** Node JS, Git, GitHub, Jenkins, Mocha, NPM

**Platform:** Linux

**Tools:** Jenkins, JUnit, JMOCK, Git

**Cloud Infrastructure:** Apache Mesos, Zookeeper, Marathon and Aurora

**Roles:** Developer and L3 support

**Responsibilities:**

Fusion developed by PayPal single Jenkins instance, which is a wrapper over Hudson, hosted in a single server, given to users to develop their own build jobs. In these plugins were not allowed to add as and when user needs, to overcome the ills occurring in fusion, CIAAS service was developed which is a cluster(cloud) based one.

My activities involved in this project are enhancement of user requests and clearing user queries on JIRA and L3 support activities.

**FITS(Fixed Income Trading System)**

**Client: UBS Australia**

**Duration:** June 2013 to till date

**Skill Set: C, C++, UNIX, SQL, PL/SQL, Java, Hibernate, Spring**

**Framework**, SWIFT, IBM MQ

**Roles:** Team Leader**,** Developer, and L3 support

**Description:**

FITS is used only for securities trading in Australia. Below is the description of how FITS is used in UBS.

FITS is a legacy application developed locally and currently catering to the needs of local UBS business of Australia for fixed income trading, Confirmation and settlement. FITS Coverage is primarily available for AUD and a lot of instruments that were traded through FITS have been moved into specific applications trading those products. However the confirmation and settlement of those instruments still happen through FITS. The instruments that are traded through FITS are BONDS, SHORT TERM BILLS, Discounts, FEE, DEPO and loans. Trading, Settlement, Cash management (ARCS), cash clearing (AustraClear) of FITS.

Fixed income refers to any type of investment under which the borrower/issuer is obliged to make payments of a fixed amount on a fixed schedule. The terminology used in FI business is.

**Issuer**: The issuer is the entity (company or government) who borrows the money by issuing the bond, and is due to pay interest and repay the capital in due course.

**Principal**: Principal of a market instrument also known as maturity value, face value, par value. It is the amount that the issuer borrows which must be repaid to the lender.

**Maturity**: End of the bond, the date that the issuer must return the principal

**Responsibilities:**

* Development activities using C, C++, JAVA, hibernate and Spring Framework.
* Responsible for GUI designing, debugging of high severity defects to make business continuity smoothly
* Testing the applications developed in UAT
* Taking ownership in migrating Solaris OS from version 5.8 to v10.0 version with thorough unit testing and UAT .
* L3 support, fixing production issues for business Continuity, clarifying users queries
* Team Leader for CTB(change the Bank) for FITS project

**Project Details in Citibank Singapore Pte Ltd,**

**FX Options Technology (FOX)**

**Client: CitiBank (58 countries)**

**Duration:** August 2008 to Jun 2012

**Skill Set:** VC++ (MFC), C++, C#.net, STL, ODBC, Oracle 10i,

Java, UNIX, Web logic Server 8.1

**Roles:** Developer, and Leading BAU

**Description:**

Options are usually associated with the stock market.Foreign exchange market also uses these derivatives in trading. It gives traders the opportunity to make money at a risk he has set for himself, The traditional call/put option works very much like the stock option. It gives the buyer the right (but not the obligation) to buy from the option seller at a specified time and price. The Forex options are traded over-the counter. Because of this, Forex traders can easily choose the price and date of their preferred option. They will receive a quote regarding the premium they need to pay in order to get the option. There are two kinds of traditional options available today 1) **American Style Option and 2) European Style Option**

**American Style Option:** Can be used at any point until the expiration date

**European Style Option:** Can only be used at the point of expiration

This project gives traders facility to book trades, pricing and for risk management. FOX supports over 58 countries.

**Responsibilities:**

* Developed and Designed components using c#.net,vc++, c++ and MFC.
* Responsible for GUI designing, debugging of high severity defects to make business continuity smoothly
* Testing the applications developed in vc++, STL for UAT
* Taking ownership in migrating JAVA modules to higher versions with thorough testing, the language used is JAVA.
* Leading BAU, fixing production issues for business Continuity, clarifying users doubts

**Project Details in Cerone Software Pvt Ltd,**

**CUSP (Classification and Upscaling of Saturation Dependent Properties)**

**Client:** BHP Billiton Petroleum (Americas) Inc

**Duration:** Aug 2007 to Aug 2008

**Skill set:** VC++, C++ , STL, COM, SocketProgramming and

Windows 2003/Windows XP

**Role:** Developer

**Description:**

CUSP is a new procedure for describing, analysing and integrating reservoir rock properties Saturation-dependent reservoir properties are those in which the value that a given property may take is a function of the prevailing reservoir fluid phases: water, oil and/or gas. Of most interest for reservoir flow simulation, and ultimately reservoir production performance, are the dependence of capillary pressure and relative permeability on saturation. These properties are almost exclusively determined at the core plug scale and are required for practical use at flow simulation scale. Between these two scales are those of the wireline log and the geocellular model. In all, the scale change from core plug to simulator grid block is of order 1010. As a consequence, efficient and rigorous methods of affecting such a scale change are imperative for sound simulation results and consequent business decisions.

In order to successfully move from one scale to another, it is necessary to ensure that the porous media is accurately classified at the fine (initial) scale and then again at the coarse (resultant) scale. Such classification depends on both having appropriate data with which to carry out the classification and then reliable and efficient classification workflows and software. In order to move from one scale to another, it is also necessary to have rigorous and effective upscaling workflows and software. Ideally, this upscaling methodology should be in itself scalable, in that the same procedure is employed in moving across all scales.

**Responsibilities:**

* Involved in development of modules from scratch.
* Responsible for testing and debugging the modules.
* Responsible for delivering the flawless product to the business.

**GAMLS (Geologic Analysis via Maximum Likelyhood System)**

**Client: BHP Billiton Petroleum (Americas) Inc**

**Duration:** Jan 2006 to Aug 2007

**Skill set:** VC++, C++ , STL , COM, Socket Programming and

Windows 2003/Windows XP

**Role:** Developer

**Description:**

GAMLS (Geologic Analysis via Maximum Likelihood System) is a multipurpose

Computer program for the geoscientist (geologist, engineer, petrophysicist, log analyst …..). The basic process performed is a clustering analysis. Also, predictions can be made using the relationships developed within a clustering analysis. Although any kind of numerical data can be clustered, the GAMLS interface has been built with the assumption that the primary type of data to be analyzed will be wire line well data (electric well logs) plus data obtained from well cores. Examples of other types of data that can be clustered are: rock inorganic chemistry, oil geochemistry, X-ray diffraction data, thin-section point counts, acoustic impedance data, and seismic attributes. Different types of data can be included as variables within the same clustering run. For instance, well log data, XRD data, and geochemistry data could be included in the same run. Finally, there is no depth-dependence or nearest-neighbor effect built into the clustering logic. This means that samples do not need to be depth-related. GAMLS analyses are based on clustering and prediction methods.

**Responsibilities:**

* GUI development in VC++.
* Responsible for testing front end modules.
* Responsible for delivering the product without flaws.