



**NIKHIL SUBHASH SHINDE**

As a dedicated and passionate Senior Software Engineer and Tech Lead with over 11 years of experience in software development, I am now focusing on deep diving into the capital markets and asset management domains. My goal is to leverage my expertise in machine learning (ML) and artificial intelligence (AI) technologies, along with my skills in data architecture and cloud architecture, to drive impactful solutions in financial technology.

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| *Work Experience* | |
| *Sr Data Engineer* | **L&T Mindtree** Aug 2022 – Till present |
| *Sr Quant Report Engineer* | **Krishana capital** Apr 2022 – Aug 2022 |
| *Sr Analytic engineer << - Sr Software Engineer* | **Catchmedia Inc** Jun 2018 – Apr 2022 |
| *Team leader << - Sr Software Engineer* | **Orion Lab LLP** Sep 2015 – Mar 2018 |
| *Sr Software Engineer* | **Tejora Technologies LTD.** Sep 2014 – Jan 2015 |
| *Web Application engineer* | **Virtual Clearks.** Apr 2012 – Aug 2014 |

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| **Project Experience** | | | | |
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| **Project 1 – S&P GLOBAL Data Quality Report – TECH LEAD** | | | | |
| **Project Name** | | **BIFORST ASSET MGM DATA-TNM-MI** | **Team Size** | 15+ |
| **Start Date** | | SEP 2024 | **End Date** | DEC 2024 |
| **Project Description** | | **Data Quality Reports:** Monitor and address data quality issues across all pipelines (CI, MI, SFI, Physical Asset Data).  **Data Versioning Reports:** Track changes and maintain historical records of datasets.  **Rating Source Data Providers:** Rate data providers based on data quality.  **Data Matrix Reports:** Visualize data quality metrics and performance. | | |
| **Role & Contribution** | | * Designed real-time data quality tools architecture using AWS Glue, AWS Glue Data Brew, and Amazon Kinesis. * Guided the quality team on data threshold checks and anomaly detection. * Developed ML feature engineering and hashing deduplication processes with AWS Sage Maker. * Created a data harmonization matrix tracker using Amazon Quick Sight. | | |
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| **Project 2 – S&P GLOBAL Data Integration & Pipeline Development– TECH LEAD** | | | | |
| **Project Name** | | **BIFORST ASSET MGM DATA-TNM-MI - Biforst BA** | **Team Size** | 15+ |
| **Start Date** | | JAN 2024 | **End Date** | DEC 2024 |
| **Project Description** | | 1. **Corporate Information (CI) Pipeline**:  Integrated corporate data from multiple sources, standardizing hierarchies and entity mapping. 2. **Market Intelligence (MI) Pipeline:** Real-time data extraction and cleansing for market trend analysis. 3. **Structured Financial Information (SFI) Pipeline:** ETL/ELT workflows for financial data processing and validation. 4. **Physical Asset Data Pipeline:** Asset valuation and tracking with geospatial data integration. | | |
| **Role & Contribution**   1. **Stakeholder Collaboration**    * Coordinated with various departments to gather business requirements.    * Created technical documentation and JIRA user stories, assigning tasks and outlining data flows and risk assessments. 2. **System Design and Development**    * Designed data flows and cloud architecture for efficient data storage and retrieval.    * Implemented cloud solutions using AWS and GCP to ensure performance and scalability. 3. **Performance and Data Quality**    * Developed real-time data quality tools using Hadoop, Spark, and Kafka.    * Guided the quality team on data threshold checks and anomaly detection. 4. **Project Management**    * Managed project risks, provided status updates, and ensured timely delivery.    * Used JIRA for tracking progress and coordinating with the development team. 5. **Financial and Asset Management Domain Knowledge**    * Applied domain knowledge of finance and asset management to address data-related issues.    * Ensured accurate and relevant data storage for physical assets within the financial context. 6. **Data Feeding and ML Team Guidance**    * Prepared and fed data for machine learning models.    * Guided the ML team on data preprocessing, feature selection, and model training.    * Collaborated with the ML team to develop algorithms for improved data analysis and prediction. 7. **Key Skills Utilized**  * **SQL and Data Management:** Expertise in managing and querying large datasets. * **Big Data Technologies:** Proficient in Hadoop, Spark, Kafka, and Databricks for data processing and real-time analytics. * **Cloud Architecture:** Implemented scalable solutions using AWS and GCP. * **System Development:** Followed SDLC and Agile methodologies for efficient project execution. * **Technical Documentation and JIRA:** Created detailed documentation and managed tasks using JIRA. * **Problem Solving and Collaboration:** Strong problem-solving skills and ability to work collaboratively with cross-functional teams. * **Financial and Asset Management Expertise:** Applied domain knowledge to ensure accurate data management. * **Machine Learning Data Preparation and Guidance:** Prepared data for ML models and guided the ML team on best practices. | | | | |
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| **Project 3 – CITI BANK PROJECT** | | | |
| **Project Name** | **OLYMPUS WLCR DATA-FMB-GWT CPB B&L\_WLCR** | **Team Size** | 7 |
| **Start Date** | SEP 2022 | **End Date** | DEC 2023 |
| **Project Description** | Data cleaning and optimization tool for Citi private bank (CPB) there regional credit and asset system data convert into global WLCR standard format and centralize the data | | |
| **Role & Contribution** | * Enhanced the application Single data processing to multi data processing. * Enhanced the application Single data processing to multi data processing. * Integrated IONIC s(secrets) with application. * Create unique message-id generator service. * Implemented scheduler for republished process. * Queue data structure implemented in data processing. * DB pooling script created for performance improvement. * Integrated Kafka servers with application. * Design and Developed SDP publish module. * Design and Developed SDP republish module. * Application deployment in SIT, UAT by using the following tools. * Configure virtual machine for EMEA regions.   Jenkins, RLM, GIT, Helm, Udeploy, CMP, CR   * Support for PROD release. | | |
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| **Project 4** | | | |
| **Project Name** | **TRADINGVIEW SINGLES** | **Team Size** | 5 |
| **Start Date** | MAY 2022 | **End Date** | AUG 2022 |
| **Project Description** | This project for Automatic trading intergraded with Trading view platform.  It is a Paper trading tool on bases of trading view singles  Tradingview.com is global platform for stock data analysis tool. By Pine Script | | |
| **Role & Contribution** | * Back tested multiple raw Trading Strategies in Python (Pandas and Stata) as per Client Requirement * create an interface for back testing and reporting process * Converted back tested Strategies in Pine Script as per Client Requirement * Setup Trading View strategies Webhook single dynamically and Pipedream API for singles mapping * Developed Paper Trading module interface | | |
| **Technology & Tools** | PINE Script, Python, Excel, PHP , Bot City for RPA | | |
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| **Project 5** | | | |
| **Project Name** | **Catch media SALT**  **(Media Analytics Tool)** | **Team Size** | 20 |
| **Start Date** | SEP 2018 | **End Date** | APR 2022 |
| **Project Description** | The Catch Media platform enables our customers to provide and monetize great digital experiences for their users by delivering appropriate, timely and seamless interactions across devices and markets  Media Analytics Tool to display dashboard and real time reports for the navigation data captured from mobile, web and tv OTT apps | | |
| **Role & Contribution** | **Full Stack Developer & Analytics engineer**   * Developed custom report creating module. * Extract meta data module from various platform. * Developed data Analytics and Processing module using PHP, PYTHON * Create Charting and tabular view frontend using high chart * Developed and design Realtime data analytics system (with network Socket) * Implement Go lang ETL pipe line | | |
| **Technology & Tools** | AngularJS1, GO, MySQL, KDB+, VERTICA, High chart, PYTHON, GCP, AWS,PHP | | |
| **Key Achievements** | Successfully created Multiples reporting View | | |
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| **OTHER Project** | | | |
| **Market Data Aggregation using KDB for Global Data Feeds - Role:** Consultant  Developed a centralized system to aggregate and normalize market data from various global exchanges using KDB+. This project enhanced data consistency and provided a comprehensive view of market trends, enabling more informed trading decisions  .  **HFT PNL & Trade Management System for Krishna Capital - Role:** Consultant  Designed and implemented a high-frequency trading (HFT) profit and loss (PNL) and trade management system. The tool optimized trade execution and provided real-time PNL tracking, improving overall trading efficiency and profitability.  **Angel One SALT (Finance Analytics Tool) for Catch Media - Role:** Senior Software Engineer & Team Leader  Led the development of a finance analytics tool named SALT for Angel One. The tool provided advanced financial analytics and reporting capabilities, supporting strategic decision-making for the client.  **Talk LAW for Orion Labs - Role:** Senior Software Engineer & Team Leader  Developed a comprehensive legal management system named Talk LAW for OrionLabs. The system streamlined legal processes, improved case management, and enhanced collaboration among legal professionals.  **Wrappd.com for Orion Labs - Role:** Senior Programmer  Contributed to the development of Wrappd.com by designing the platform infrastructure and developing a web scraping module. Utilized regular expressions to replace and rewrite data, ensuring accurate and efficient data extraction.  **Axis Bank Settlement Application for Tejora**  **Role:** Senior Web Application Engineer  Developed a settlement application for Axis Bank, streamlining the settlement process and ensuring accurate and timely financial transactions. The application improved operational efficiency and reduced settlement times | | | |
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| |  |  | | --- | --- | | **Educational Qualification** | | | **Education & Credentials** | Bachelor in Computer Application (B.C.A) in 2013.  Bachelor in Computer Application (B. Com) in 2012. | |  | | | **Technical Achievement** | | | Successfully create pipeline for 3 crore records and 841gb data in 30 - 40 min using airflow parallel executors  Successfully executed an ETL process for 1 crore (10 million) records in just 1.20 seconds, demonstrating exceptional performance optimization skills.  Successfully executed an SDP DATA publish process in 1 sec which publish < 30 mb data per sec  Created Web scarping module to fetch Product data from any ecommerce platform with dynamic regular expression.  **GO & Regex:** help find patterns and extract data in large metadata file (2GB)  Developed AXIS Bank letter generator module (multiple file extensions) with High performance  design solution for high performanceMillions records process in 1 sec  Created Custom tableau module for granularity data  Created module for back-testing stock data with custom indicator and create report accordingly  Created viral website and support for not getting crash server by having trillion of visitor in 1 day (Slapamir.com)  Created Chat event handler (XMPP For older Browser)  charts and reports and dashboards  Created modules for ejabberd  Media Analytics metadata stored and Created customize Report  Created Realtime Commodity Data candlestick charts  Created a proprietary framework for Orion Labs  Experienced To use FRAMWORK like YII  Created proprietary ORM and Cache library and also having experience to use serval third party libraries and extensions.  Created custom search module using elastic search with geo location | | | | | |