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EXPERIENCE SUMMARY

Technical Manager and seasoned Backend Developer with 12 years of IT experience, specializing in Python, PLSQL, ETL, data warehouses, and AI/ML technologies within the banking domain. Proven track record of leading diverse teams to deliver innovative microservices and reporting solutions, with expertise in data processing in data-warehouse and cloud migration. Adept at driving agile transformations, streamlining deployment pipelines through CI/CD, and enhancing overall delivery efficiency. Seeking to leverage deep technical expertise and leadership skills to contribute as a Senior Backend Developer, fostering innovation and operational excellence.

ACADEMICS

- **University of Cincinnati, Ohio, USA**
Masters in IT, CECH, 4 CGPA* Jan 2025 – May 2026*
Coursework- AI/ML, Gen AI, Cloud computing (GCP, Azure, AWS), Cybersecurity (Splunk, Snort, ML Analytics), health informatics, HCI, Analytics track
- **Great Learning (Texas University), USA**
Post Graduate, AI/ML, 3.74 CGPA 2023 – 2024
- **GANDHI INSTITUTE FOR TECHNOLOGICAL ADVANCEMENT (GITA), BPUT, India**
BTech, Electronics and Communication Engineering 2007 - 2011
 - Achievements: 83.00%

CERTIFICATIONS

- AWS Solution Architect Nov 2025
- DBA certification Apr 2013 - Jun 2013
- ITP certification Mar 2012 - Jul 2012

TECHNICAL SKILLS

Project Management	Jira, Kanban, Agile board, PMP
Programming	Python, R, AI/ML, Generative AI, Prompt Engineering, CNN, Computer Vision, NLP, Agentic AI, Microservices, Shell Script, YAML, XML
Frontend tools	FastAPI, Django, HTML, CSS, JavaScript, Streamlit
Cloud	AWS (Sagemaker, Bedrock, Lambda, ELB, RDS, Redshift, DynamoDB, ElastiCache, S3, Glue, Quicksight, EBS, IAM, KMS, ECS, EKS, Code Commit, Secret Manager, Event Bridge, CloudWatch), GCP (BigQuery, Bigtable, Firestore, VertexAI, AutoML, cloud storage), Azure (Data Lake, Synthesis, Fabric, Data bricks), IBM cloud (Data Agility, Kubernetes)
IDE	Visual Studio Code, PyCharm, Notebook
Version Control	Git, SVN, Bitbucket
Database and Tools	SQL, PL/SQL, Oracle, PostgreSQL, DynamoDB, MongoDB, Redshift, Big table, Big Query, Neo4j, ELK
DEV/SEC/OPS Tools	CI/CD Pipelines, Artifactory, Jenkins, Jira. Confluence, SharePoint, Sonar Code Quality, Docker container, Kubernetes, Terraform, Ansible, Git Action, Grafana, Prometheus, Gitea, Fortify
Operating Systems	Linux, Windows
ETL	Kafka, PySpark, Informatica, ODS, Pandas, DBT, Kestra

Reporting	Power BI, Tableau, Actimize, Quicksight
Other	Putty, Winscp, Control-M, BMC Remedy, Autosys, Service Now, HPSM

WORK EXPERIENCE

BNP Paribas (USA)

Project- AML (Anti Money Laundering)

AML (Anti Money Laundering) DW is a data-warehouse and serves as a calculation-engine for entity resolution and ultimately feeds to a tool called Actimize. **AML and Actimize** are reporting platform which generates reports to USFS (US financial regulation body) and functionally monitors any suspicious transactions.

Role- Technical Project Manager

Apr 2022 - Feb 2024

- **Managed a team of 10** with diverse skills (Python, AI/ML, Django, FastAPI, DevOps, Informatica, PLSQL, Fintrac, AWS), improving team efficiency and project delivery for about 2 years
- Designed and implemented **generic python feed integration frameworks** on platform level to seamlessly manage any Datawarehouse with minimal configuration. This was a game changer as this framework reduced loading effort for all teams in department.
- Lead a team to **convert legacy PL/SQL codes to Python using Pyspark, SQLAlchemy** which improved overall processing time **by 50%**
- Implemented **Swift ISO 20022** which is banking industry wise framework change. It needed whole application design change and spanned for more than a year. It was a flawless implementation and could be achieved within 5 months of design and development.
- Multiple business projects submissions like **KDE, Fintrac, Large-cash, EFTS wires, Actimize upgrade**.
- Managed multiple informatica solutions for **Actimize and Fintrac solutions**.
- Implemented a few PowerBI related reporting solutions for financial reporting.
- Designed a reporting platform with **Data Agility DB cloud solution, power BI integration**.
- Implemented Data Governance models using **KDE (Key Data Element), DQ (Data Quality) models, Reconciliation models**
- Transitioned team from **waterfall model to agile** methodology in 2023.
- Completely moved away from manual deployment to **CI/CD implementation using Github, Jenkins, Artifactory, Ansible, Docker**. Overall productivity improved by **40%**.

Role- Senior Application Developer

May 2017 - Apr 2022

- Implemented a **microservice project** over 2.5 years, integrating an AML data warehouse application with AI/ML solutions using tools like **Docker, Kubernetes, ELK, Kafka/Zookeeper, FastAPI, and Power BI**, enhancing system efficiency and data processing capabilities. Improved performance of system **by 40%**.
- Developed backend solution of UI based system using AWS serverless products such as **AWS Lambda, FastAPI, Elastic Beanstalk, S3, EC2, DynamoDB, and RDS** to enhance application stability and scalability. Automated monitoring process using **Dynatrace, Prometheus, AWS Cloudwatch**.
- Applied AI/ML expertise, including **ML models, CNN, Computer Vision, and NLP**, to implement strategic and analytical solutions, enhancing decision-making processes
- Led the migration of applications to the IBM Cloud platform using IV2 cloud SaaS products, including **Ubuntu Warehouse, S3, Data Agility DB**, and others, improving system scalability and performance
- Developed microservices for **entity resolution and country derivation** processes, feeding data to Actimize, which improved in-house solutions for entity resolution. Increase efficiency of the system from **88% to 96%**.
- Implemented **FastAPI** solutions to expose data to downstream reporting platforms like Power BI and Fintrac, improving data accessibility and reporting efficiency. It is a new solution.
- Designing integrated systems using scalable multi-feed processing using **Pyspark**, designing data warehouse with **Data modeling (Snowflake, Star majorly), SCD**, partitioned storage, huge optimized parallel processing, materialized views integrated with reporting tools like **PowerBI, Tableau**
- Implemented **multiple PLSQL projects** to implements business logic for systems like **Actimize, Fintrac**
- Coordinated and implemented the **upgrade from Oracle 12c to 19c**, ensuring system stability and improved database performance
- Utilized **Oracle tuning techniques** to resolve performance issues in multiple Oracle databases, enhancing system efficiency

- Created **python framework** to load different types files e.g. csv, json, xml, API integration, PGP files encryption using pandas, dynamic PLSQL programming. It is backbone solution which is used all across.

Project- IHC (Intermediate Holding Company)

This is a shared platform in BNP which works on different solutions like implementations of Informatica, OFSAA, AML, hyperion, OBIEE, Axion etc. to different other departments.

Role- Technical Analyst

Jul 2016 - May 2017

- Worked extensively with **Informatica, OFSAA, and PLSQL** for applications like **DQ (Data Quality), OFSAA, Triton**, and Poseidon, enhancing application efficiency and performance
- Automated numerous application processes using Python and **Unix Shell scripts, Geneos, Dynatrace, Prometheus, Grafana, ELK stack** improving process efficiency and reducing manual effort
- Led major releases and successfully deployed them, ensuring timely delivery and minimal downtime
- Handled critical incidents and change requests through HPSM, maintaining system stability and customer satisfaction
- Interacted with customers and resolved all technical queries, enhancing customer support and satisfaction
- Participated in regular calls with US stakeholders and the development team to discuss ongoing issues and requirements, ensuring alignment and progress
- Coordinated with clients, analyzed application incidents, and resolved them, improving application reliability and client satisfaction

Cognizant Technology Solutions (Client- Putnam Investment-USA)

Project- Putnam

The project manages 4 towers of Putnam investments (Order Management Systems, Financial Engineering, Trading Support and E-Commerce management).

Role- Technical Analyst

Dec 2014 - Jul 2016

- Automated application processes with **Unix Shell scripts**, improving efficiency and reducing manual errors
- Took lead on major releases and successfully deployed them.
- **Handled incidents and change requests** through **HPSM**, improving response times and customer satisfaction
- Interacted with customers and resolved technical queries, enhancing client relationships and support quality
- Participated in daily and weekly calls with US stakeholders and the development team, facilitating communication and issue resolution

Tech Mahindra Ltd. (Client- British Telecom-UK)

Project- OWM (Openreach Work Manager)

Openreach Work Manager - Management Information System - central data repository for all WM systems. Contains field notes, including two man working information, for tasks completed by Openreach field engineers. This system is now as critical as Work manager. Allows BT engineers & managers, access to vital information concerning jobs & people. Interfaces with other BT systems to supply Work manager data feeds.

Role- Application Support Group Member

Dec 2013 - Nov 2014

- Prepared client reports using complex **SQL/PLSQL codes**, enhancing data accuracy and decision-making processes
- Automated application processes with **Unix Shell scripts**, improving efficiency and reducing manual workload
- Performed **DBA activities** such as index rebuilding online, database backup, query tuning, job creation, and user management, ensuring database reliability and performance
- Handled incidents and change requests through Clarify, improving system stability and user satisfaction