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PROFESSIONAL SUMMARY

Senior Kronos Implementation Specialist (20 Years) with a proven track record of successful enterprise deployments and a strong understanding of workforce management principles. Recent transition (2023) to AI and Data Engineering Consultant, with expertise in **designing scalable machine learning solutions, RAG agent creation, and Enterprise Data Integrations**. Proficient in tools like **FABRIC, PySpark, DataBricks, Azure ML, Copilot Studio and Colab**. With a proven track record of leveraging data-driven insights to enhance operational efficiency. Certified in Azure AI and Azure Data Engineering, with additional certifications in AWS and GCP.

CERTIFICATIONS

- **Microsoft Certified: Azure Data Fundamentals (2023)**
 - **Microsoft Certified: Azure AI Fundamentals (2023)**
 - **Microsoft Certified: Power BI Data Analyst Associate (2024)**
 - **Microsoft Certified: Azure AI Engineer Associate (2024)**
 - **Microsoft Certified: Azure Data Engineer Associate (2024)**
 - **Dell Boomi IPaaS (2022)**
 - **Python Machine Learning (Forecasting/Regression) (2023)**
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SKILLS

- PySpark, Python
- Synapse Analytics, Fabric, Pipelines (ETL, ELT)
- Predictive Model Training / Deployment
- RAG development

- Azure AI/ML tools - Vision (+Custom), Language, Translator, Document Intelligence, Speech, Bot Framework/Emulator
 - Streaming Analytics, IoT
 - Databases - SQL Server, Oracle, MySQL, SQLite, MongoDB, Graph
 - DataFactory, DataBricks, SSDT
 - Report Building (Report Builder, PowerBI, Tableau)
 - Integration – Boomi, Mulesoft, SSIS
 - Agile / JIRA / HPalm
 - Full Medallion modeling paradigm implementations
 - CoPilot 365, Purview, Graph and Power Platform basics
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WORK HISTORY

IT Consultant

Bates Consulting, Inc.

01/2012 -

AI and Machine Learning

- Developed **supervised/unsupervised learning models** and deployed them via **Azure Machine Learning pipelines**.
- Implemented **transfer learning** for enhanced model accuracy across multi-domain datasets.
- Utilized frameworks like **TensorFlow, PyTorch, and Scikit-learn** for predictive analytics.

Cloud and Data Engineering

- Architected **end-to-end data pipelines** using **DataBricks, Synapse Analytics, and Azure Data Factory**.
- Conducted **Lakehouse transformations** using the **Medallion architecture**.

Big Data and Database Management

- Processed **terabyte-scale datasets** using **PySpark** and **BigQuery** for advanced analytics.
- Migrated legacy systems to **cloud-first architectures**
- Business Intelligence and Visualizations with **PowerBI**

- Automated **real-time reporting dashboards** using **Power BI, Tableau, and Azure Stream Analytics**.
- Integrated predictive analytics into **business workflows**

- **AI Deployment** Deployed scalable AI models through **Kubernetes** and monitored performance with **MLflow**.
- Created **RAG systems** to enhance retrieval accuracy for document intelligence applications.

Client Listing:

- **FORD MOTORS**
- **AMAZON**
- **UKG**
- **KOCH BUSINESS SYSTEMS**
- **WASHINGTON METRO AREA TRANSIT**
- **CERNER**
- **D.C. HOUSING AUTHORITY**
- **HESS**
- **YALE NEW HAVEN HEALTH**
- **GERDAU LONG STEEL**
- **BUCEES**
- **MADISON GAS AND ELECTRIC**
- **NCR**
- **LAKELAND HOUSING AUTHORITY**
- **AVESTA PROPERTIES**

Database Administrator – Full Stack Developer

Tampa Housing Authority

08/2003 - 02/2014

- Accomplishments – Database administrator/developer for all systems. Created several data warehouse workflows for analytics reports, along with numerous BI/KPI reports
- UKG End-To-End Delivery Manager. From implementations through upgrades. Integrations, Configuration, Documentation and Reports
- Yardi systems End-To-End Delivery Manager. From implementations through upgrades. Integrations, Configuration, Documentation and Reports
- Developed over 75 custom reports using Report Builder and Crystal Reports
- Developed Several SSIS packages to integrate Yardi and Kronos systems.
- PICK/Reality multi-value database administrator/developer. Created a digital transformation pipeline to SQLServer prior full migration from legacy system.
- .NET custom application development including visitor tracking/alert system, client workflow tracking system, document imaging system and more.

Database Administrator - Senior Developer

City of Fort Myers

08/1996 – 08/2003

- Accomplishments – Developed several .NET applications. POS sales system for tourist venues, Marina billing/reservations/retail application, City Clerk board appointment records system and more.
- Application development/support for all core city software software packages including financials, payroll, human resources, contracting and 911 system.
- SQLServer database administration/development
- PICK database administration/development
- SSIS integrations
- PICK/Reality multi-value database administrator/developer. Created a digital transformation pipeline to SQLServer.
- Y2K system remediation

Programmer/Analyst

City of Belle Glade

08/1991 – 08/1996

- PICK/Reality multi-value database administrator/developer. Created a digital transformation pipeline to SQLServer.
- Application development/support for all core city software packages including financials, payroll, human resources, contracting and 911 system.

EDUCATION

Computer Science

Florida Memorial University - Miami, Florida, United States

Computer Science

Palm Beach Community College - Palm Beach Gardens, United States

WORK AUTHORIZATION

United States Citizen