

# DAMARIUS McNAIR

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## PROFILE

Technical systems leader with 8+ years of experience driving cloud architecture, data engineering, and enterprise operations strategy across corporate and nonprofit environments. Proven track record designing scalable data platforms, AI-driven automation, and HIPAA-compliant cloud solutions using GCP, SQL, Python, Firebase, and modern BI technologies. Experienced leading cross-functional initiatives, aligning technical architecture with business objectives, and driving measurable operational and financial outcomes through process optimization and execution discipline.

## SKILLS

**Cloud & Systems Architecture:** GCP (Cloud SQL, IAM, Firestore), Firebase, Distributed Systems, API Integration, HIPAA-Compliant Architecture, Security & Data Governance

**Data Engineering & Analytics:** SQL, Python, ETL Pipelines, Data Modeling, KPI Architecture, Forecasting, Power BI, Tableau, Operational Analytics

**AI & Automation:** LLM Integration (OpenAI, Claude, Groq), Prompt Engineering, AI Workflow Automation, Retrieval-Augmented Generation (RAG), Process Optimization

**Enterprise Operations:** Capacity Planning, Supply Chain Analytics, Fleet Optimization, SLA Governance, Cost Optimization, Workday, SAP, Dayforce

**Leadership & Strategy:** Cross-Functional Leadership, Technical Strategy, Stakeholder Management, Change Management, P&L Ownership

## EXPERIENCE

### Technical Architect – Cloud Systems & Data Infrastructure

Kingdom Living Ministry, Inc. · Durham, NC

2024 – Present

Architect and technical lead for a 501(c)(3) nonprofit developing 10 integrated recovery, reentry, and housing programs across North Carolina. Responsible for end-to-end system architecture, data infrastructure, governance frameworks, and financial oversight supporting a \$2.5–\$4M capital campaign.

- Designed and deployed a full-stack cloud platform (GCP, Firebase, Cloud SQL, Firestore) supporting 10 operational programs across housing, vocational training, and reentry services
- Designed HIPAA-aligned system architecture with 3-layer data separation model, RBAC controls, and security governance across 13 integrated cloud services
- Built internal data systems supporting case management, operational reporting, and program coordination using Python, PHP, JavaScript, and API integrations
- Developed enterprise-grade technical documentation including incident response protocols, audit frameworks, and NIST-aligned risk register supporting compliance and scale
- Established organizational data and governance infrastructure supporting multi-year operational scaling and grant-funded expansion strategy
- Serve as Treasurer overseeing budgeting, financial reporting, and capital allocation strategy across programs and funding channels

### Process Operations Manager

Enterprise Mobility · Durham, NC

Jan 2022 – Nov 2025

Led analytics, systems optimization, and operational strategy for an \$89M market managing a 4,600–5,600+ vehicle fleet. Served as a bridge between operations, IT, and executive leadership

- Designed SQL-based analytics systems identifying labor inefficiencies, reducing overtime costs by 23% (~\$221K annual savings)
- Built demand forecasting and fleet optimization models supporting expansion from 4,600 → 5,600+ vehicles, enabling ~\$15.9M in additional annual capacity
- Developed Power BI executive dashboards and API-integrated reporting pipelines consolidating workforce systems (Dayforce, Workday) into unified leadership visibility
- Engineered data-driven fleet allocation models using real-time operational and external demand signals (airline/reservation data) to optimize utilization and reduce idle inventory
- Partnered with leadership teams to translate operational data into pricing, staffing, and capacity planning decisions

## Assistant Store Manager, Operations

Lowe's Home Improvement · Durham, NC

Jan 2020 – Jan 2022

Ran operations for a \$97M store with 230+ employees - during COVID supply chain disruption. Improved operations with data, process discipline, and real attention to people.

- Tackled a serious turnover problem through stay interviews, schedule restructuring, and management improvements. Brought monthly open roles down by 50% (from 4–7 to under 3) in one of the worst labor markets in recent memory.
- Built SSRS forecasting models to catch planogram gaps, stockouts, and merchandising issues across four departments. Inventory forecast accuracy improved 27%; key category sales jumped 21%.
- Reworked inventory and procurement strategy to push shrink from 2.3% down to 1.6% - recovering about \$680K annually.

## TECHNICAL PROJECTS

**Fleet Operations Analytics Platform** - Python, Streamlit, Pandas, Plotly

- Built a 4-dashboard analytics platform modeling 5,200+ vehicle operations across multiple regions with real-time filtering and performance tracking
- Designed synthetic demand datasets modeling 18-month operational cycles including staffing, utilization, and maintenance patterns

**AI Grant Opportunity Matching System** - Python, Streamlit, Claude API, Grants.gov API, GPT-4o

- Built AI-powered matching engine connecting nonprofit profiles to live federal grant opportunities using hybrid scoring (TF-IDF + semantic LLM analysis)
- Implemented multi-model orchestration across Claude, GPT-4o, Groq, and Ollama with security filtering, caching, and export pipelines

**HIPAA-Compliant Cloud Architecture Framework** - GCP, Firebase, Firestore, Cloud SQL, IAM

- Designed production-ready HIPAA-aligned reference architecture across Firebase/GCP ecosystems
- Defined system separation layers, RBAC policies, audit frameworks, and incident response models aligned with NIST standards

## EDUCATION

**M.B.A., Business Analytics**

University of North Carolina at Pembroke

**B.S., Management Information Systems**

East Carolina University

## CERTIFICATIONS

AWS (Solutions Architect), GCP (Cloud Engineer), Lean Six Sigma Green Belt, PSM I