

# BYHEIR WISE

## Engineer | BI Platform Owner | Financial Services Reporting

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### PROFESSIONAL SUMMARY

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Engineer and analytics lead with 7+ years of experience owning BI platforms, reporting suites, and data pipelines in regulated financial services. Deep background in student lending operations, with proven success building Power BI and Snowflake-based reporting end-to-end — from stakeholder discovery and KPI standardization through delivery, adoption, and ongoing maintenance. Strong record of partnering across product, operations, compliance, and executive leadership to translate ambiguous reporting needs into scalable, audit-ready solutions. Comfortable migrating legacy reporting estates, driving platform adoption, and operating independently against competing priorities — and equally comfortable in code, shipping full-stack PWAs, serverless APIs, and AI-augmented tooling end-to-end.

### CORE SKILLS

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**BI & Reporting:** Power BI (advanced), Sigma (transferable from Power BI / Looker patterns), dashboard architecture, KPI standardization, executive reporting, external/client-facing reporting

**SQL & Data:** Snowflake (advanced), T-SQL, query optimization, data modeling, ETL pipeline design, data validation & reconciliation

**Languages:** Python (Pandas, automation, report generation), SQL, JavaScript / TypeScript (ES6+), SAS, C# / .NET (legacy)

**Engineering stack:** React 18, Vite, Node.js, PWAs / Service Workers, REST APIs, full-stack app design

**Platforms & Tools:** GitHub, Supabase, CI/CD pipelines (GitHub Actions, Azure DevOps), Vercel / Cloudflare serverless, REST APIs, exposure to rules engines and decisioning workflows, Infrastructure-as-Code

**Domain:** Student lending, collections, fraud, servicing, compliance — federally regulated financial services environments

**Stakeholder & Delivery:** Cross-functional partnership, requirements analysis, roadmap planning, BI adoption and enablement, Agile/Scrum

### PROFESSIONAL EXPERIENCE

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#### Lead Business Execution Consultant — Data & Reporting | SLM Corporation (Sallie Mae Bank)

*Apr 2018 – Present*

- Own end-to-end design, delivery, and maintenance of Power BI and SQL-based reporting solutions across collections, fraud, compliance, and servicing domains — supporting 1,000+ business users with real-time visibility into operational KPIs.
- Write and optimize advanced Snowflake SQL queries powering executive dashboards, reconciliation reports, and operational analytics in a federally regulated student lending environment.
- Partner directly with product, operations, compliance, and senior leadership to translate ambiguous reporting needs into scalable BI solutions, standardized KPI definitions, and documented reporting frameworks.
- Reduced manual reporting effort by 60% by automating recurring data pulls, transformations, and report generation in Python — freeing the analytics team for higher-value strategic work.
- Built and maintained data pipelines integrating Python, Snowflake, and SQL that power automated documentation and QA workflows — improving data accuracy, audit readiness, and pipeline reliability.
- Designed an AI-augmented testing platform that generates Snowflake test cases from structured inputs across six categories — accelerating data validation and reducing manual QA cycles in production reporting pipelines.
- Ship full-stack engineering work across collections, fraud, and money-movement domains using Python, TypeScript, and React — bridging product gaps for internal stakeholders.
- Own Infrastructure-as-Code and CI/CD discipline for analytics tooling — applying enterprise-grade release practices (branch review, change auditing, merge controls) to BI deliverables.
- Drive internal adoption of analytics tooling: communicate platform capabilities, train downstream users, and position BI as a self-service resource across the organization.

- bullet Plan and prioritize the reporting roadmap in partnership with stakeholders; communicate progress, risks, and tradeoffs clearly and consistently to business and technical leadership.
- bullet Maintain compliance with regulatory, data security, and audit standards across all analytics deliverables in a federally regulated financial services environment.

## SELECTED PROJECT EXPERIENCE

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### PartnerPulse — Partner Relationship Analytics Platform

- bullet Designed and deployed a partner relationship analytics PWA delivering portfolio health scoring, KPI dashboards, and account intelligence across a multi-partner book of business — modeled on patterns used in lender-facing analytics products.
- bullet Engineered interactive dashboards with Recharts surfacing account health trends, task throughput, and partner engagement metrics for stakeholder consumption.
- bullet Built a scalable reporting framework with shared KPI definitions, CRM workflow integration, and AI-generated executive communications — moving the team from one-off reports to a reusable analytics layer.
- bullet Architected a zero-infrastructure serverless stack (GitHub Pages + Cloudflare Workers) with secure API proxying, demonstrating independent judgment on tooling and cost-efficient delivery.

### AI-Augmented Reporting & Validation Platform (The Builder)

- bullet Architected a platform that runs structured, multi-stage data validation and report-generation pipelines with automated quality gates and audit trails.
- bullet Designed CI/CD integrating GitHub, Supabase, and external AI APIs with branch review, change auditing, and merge controls — applying enterprise-grade release discipline to analytics tooling.
- bullet Built automated consistency and reliability checks ensuring downstream reporting outputs meet quality standards before delivery.

### IronLog Analytics Ecosystem

- bullet Built a full-stack analytics PWA suite (IronLog, FinanceLog, NutritionLog) on a unified Supabase backend with SSO and real-time data sync.
- bullet Engineered analytics dashboards with custom charting and progress-tracking modules, surfacing trend analysis and behavioral KPIs to end users.
- bullet Implemented session-level monitoring and feature-effectiveness tracking, generating product analytics and adoption metrics across the platform.

## EDUCATION

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**Bachelor's Degree in Business Management** | Wilmington University