Rob M. Rose

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ENGINEERING LEADER | STRATEGY, DELIVERY & TEAM DEVELOPMENT

Engineering leader with 20+ years of experience building, scaling, and leading high-performing engineering organizations. Experienced in working with senior leadership to develop technical direction and align delivery to meet company goals. Background includes modernizing large-scale systems, collaborating closely with senior engineers, and contributing to teams that value ownership, quality, and continuous improvement.

CORE LEADERSHIP STRENGTHS

- Engineering Strategy & Execution
- Consulting & Client Delivery Leadership
- Scaling Teams & Platforms
- Growth & Proposal Support
- Cloud & Modern Architecture (AWS)
- Operational Excellence & Continuous Improvement

CORE ACCOMPLISHMENTS

I lead cross-functional teams on healthcare modernization and spend much of my time in the middle of product, program, and engineering conversations. Much of my focus is on integration, performance, and data decisions that help teams ship systems that scale, meet compliance requirements, and perform well in production.

- Identified gaps in billing and reporting data that were causing downstream billing challenges, then worked through the root causes and implemented validation approaches to ensure pipelines were complete and auditable. This improved reporting confidence and made operational decisions more reliable.
- Built reusable tools and shared standards for validating and transforming Epic and HL7 v2 data into normalized data models, which reduced friction when onboarding new data sources and made analytics work more consistently across teams.
- Led the design and rollout of the Net Promoter Score (NPS) platform at Wells Fargo Community Bank, working with multiple teams to stand up an event-driven solution that allowed customer experience to be measured consistently across products.
- Modernized the Incentive Compensation System for Wells Fargo Community Bank by replacing tightly coupled logic with a modular, table-driven design. The changes improved performance by 25%, reduced ongoing maintenance by about 20%, and supported more than $200 million in annual payouts with better transparency and reliability.
- Architected and delivered multiple enterprise-scale CMS applications leveraging AWS and distributed processing patterns to calculate hospital performance and incentive payments, supporting regulatory compliance, transparency, and funding decisions across the national healthcare ecosystem while mentoring senior engineers and architects to lead these efforts independently.

EXPERIENCE

Bellese   10/2023 – Present
Engineering Manager
I lead engineering teams delivering CMS modernization work in AWS and work closely with senior engineers and architects on architectural decisions and delivery challenges. I provide hands-on technical guidance around cloud design, scalability, and security, with a focus on clarity, accountability, and steady progress in regulated healthcare environments.

- Lead, mentor, and develop multidisciplinary teams of engineers and architects, strengthening technical leadership capability and preparing senior contributors for expanded ownership and influence.
- Drive execution and alignment across initiatives to ensure system integrity, clear architectural guidance, and consistent delivery of key project milestones.
- Perform annual reviews and prepare salary and bonus payouts for each team member
- Lead developer for the Unified Case Management (UCM) contract, directing migrations and enhancements that strengthened system performance.
- Work with CMS stakeholders and Bellese leadership during proposal and Medicare RFP efforts, contributing to technical approaches, helping size the work, and thinking through how solutions can scale as programs grow.
- Encourage engineering practices across teams, including lightweight architecture documentation with C4 models and CI/CD pipelines built with GitHub Actions.

Cedar   10/2021 – 10/2023
Sr. Solutions Architect
Worked with customers as a technical and product leader to design AWS-based ETL solutions that strengthened core products, supported new opportunities, and contributed to company growth in a consulting environment.
- Partnered with customers and internal product and platform teams as a senior technical and product advisor to design and deliver scalable ETL and data platform solutions within AWS.
- Led CI/CD pipeline initiatives using GitHub and test-driven development practices, improving release reliability, quality, and delivery efficiency across client engagements.
- Spent time analyzing Python code, SQL, and PostgreSQL execution plans to track down slow ETL paths, then adjusted workflows to cut processing time and make the platform more responsive.
- Designed and maintained S3-based data layouts with encryption and access controls, making sure ingestion and analytics workloads were reliable and easy for teams to work with.
- Wrote validation checks to trap data issues early, which improved invoice accuracy and reduced back-and-forth with customers around reporting.
- Set up CloudWatch monitoring and log processing so teams could actually see what systems were doing, then pushed logs into S3 and Athena to support fundamental self-service analysis.
- Built a shared validation framework that teams reused across projects, cutting down the time spent validating data and making it easier to bring new data sources online.
  Built applications to extract, normalize, and model Epic and HL7 data into relational platforms, accelerating analysis, validation, and downstream product capabilities.

TekSystems   02/2021 – 10/2021
Sr. Solutions Architect
Responsible for analyzing and designing the Health Information System intake process to pull data in HL7 for Medicaid reporting. Oversaw the AWS Implementation to validate and calculate healthcare Medicaid metrics for the State of Arkansas
- Worked on the design of the Health Information System intake process to ingest HL7 data for Medicaid reporting, supporting AWS-based validation and metric calculation for the State of Arkansas.
- Reviewed AWS implementations with an eye toward best practices and cost, flagging areas where simpler or more efficient approaches made sense.
- Managed AWS development and test environments, including IAM roles, policies, and user access.
- Built small prototypes with AWS services to validate design decisions and reduce risk before full implementation.
- Monitored database growth patterns and recommended changes to reduce data footprint and support long-term scalability.

Wells Fargo Bank   03/2016 – 02/2021
Technical Manager/Data Architect
Supervised a fully remote 24x7 on-call technical development team of seven full-time employees and three offshore (India) employees whose responsibilities were to develop code for Community Banking and manage the nightly batch cycle.
- Led analysis of nightly batch processes, improving average system uptime by over two hours across four years.
- Implemented role-based access control for engineers, conducting weekly audits to review database changes and ensure compliance.
- Guided and coached Agile and Waterfall project teams, delegating tasks and evaluating performance to maintain project pace and quality.
- Served as a leader in the Des Moines Women in Technology chapter (120 members), organizing events to empower women in tech, promote equal opportunity, and provide a safe space for growth and discussion.

CSRA Inc.   01/2011 – 03/2016
Sr. Software Development Manager/Sr. Data Architect
Led a software release team solution stack with Developers, Business Analysts, and QA resources to complete work for Hospital Quality Reporting (HQR), which reports to the CMS. I worked directly with CMS and other vendors to plan and implement various CMS Hospital Reporting Initiatives. In addition, I served as Senior Manager across multiple government contracts, mentoring staff and interns. Provided coaching and managed more than 20 technical employees.
- Chaired the Solution Review Board, overseeing and approving technical solutions for all new product designs and recommending enhancements to technology integrations.
- Designed, developed, and documented database architectures with table-driven, configurable ETL/batch solutions that reduced development time and costs.
- Built proof-of-concept prototypes to validate design decisions and demonstrate feasibility early in the project lifecycle.
- Created forecasting models and data files to predict future data volumes, enabling more accurate load testing.

ADDITIONAL EXPERIENCE
Telligen
    Software Development Manager
Continuing Education and Community Services (CECS), Iowa State University
    Conference Database Manager

EDUCATION
Iowa State University, Ames, IA
    Master of Science (M.S.), Information Systems
    Bachelor of Science (B.S.), Management Information Systems

HONORS
Wells Fargo Gold Coin: Awarded for my redesign of the Incentive Compensation System in 2017
ISU Extension New Professional Award Winner in 2004

LEADERSHIP
Capital City Pride IT Director (1 Year)
Movember Participant (10 Years) raising over USD 20,000 for Men's Health
Des Moines Oak Leafs High School Hockey
- Board Member (3 years)
- Head Coach (5 years)
- Associate Head Coach (2 years)
Iowa State University Hockey: Team Captain/President (3 years)