

FREDDY CARIAS

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IT professional with nearly a decade of experience spanning healthcare, education, and construction, specializing in leveraging technology to drive innovation, optimize business processes, and enhance IT infrastructure. Proven ability to implement and manage enterprise software, data analytics, and automation solutions that improve operational efficiency. Holds a Master of Science in Information Systems and Technology from California Lutheran University and a Bachelor of Science in Business Administration from California State University, Bakersfield. Committed to refining leadership and technical expertise to drive enterprise-wide transformation, with a long-term vision of advancing into a CTO role.

EXPERIENCE

Vulcan Materials Company – Glendale, CA

IT Analyst | April 2020 – Current

- Managed a portfolio of enterprise software, including Libra Systems, APEX, Trux, Oracle SQL Developer, and Microsoft SQL Server Management Studio.
- Led the deployment of Vulcan's proprietary software across 450+ locations, overseeing installation, training, and system adoption, including the company's first Spanish-language point-of-sale system.
- Provided nationwide and international support, implementing and upgrading systems at aggregate and asphalt plants while ensuring seamless go-live and training for end-users.
- Worked closely with database administrators, network engineers, and software developers to diagnose and resolve complex IT issues across multiple systems.
- Provided nationwide and international APEX super-user support, developing training guides, presentations, and instructional videos.
- Created detailed reports for multiple departments using SQL Server Management Studio and Oracle, delivering critical insights to support decision-making and operational improvements.
- Designed and implemented a company-wide backup solution, enhancing data security, recovery processes, and overall system resilience.
- Automated software installations and optimized workflows by developing PowerShell ISE and Google Apps scripts to improve efficiency across multiple locations.

- Led Vulcan's Snowflake data mining initiative, mastering data extraction techniques and training teams on advanced analytics.
- Developed and deployed business applications, currently spearheading the redevelopment of a key system to improve functionality and operational efficiency.

The Help Group – Sherman Oaks, CA

Database Administrator | June 2019 – December 2019

- Administered Microsoft SQL databases and managed system administration for D.M.H Welligent, L.A.U.S.D Welligent, and L.A.U.S.D One Access.
- Led the PowerSchool software conversion project, overseeing implementation, training, and planning to ensure a smooth transition.
- Collaborated with department directors, school administrators, and third-party project managers to execute software conversion initiatives on time and with high quality.
- Provided IT help desk support via Spiceworks, troubleshooting SQL .NET-based reports and resolving IT-related issues.
- Assisted senior network engineers with network administration, configuration, and troubleshooting.
- Managed user accounts in Office 365, ensuring proper setup and maintenance of the organization's communication system.
- Conducted facility surveys for network communications, assessing infrastructure and recommending optimal layouts for network components and cabling.
- Assisted in negotiating vendor pricing for network equipment and cabling, supporting new implementations and system upgrades.

Dignity Health – Glendale, CA

Clinical Informatics Analyst | October 2018 – June 2019

- Served as a Functional Analyst for the Electronic Health Record (E.H.R.), providing support for systems including Atlas, Heartbase, Pharmacy One Source Analytics, Quantifi, Midas Plus, MOR, IVOS, and Meditech.
- Managed hospital data reporting for glucose management, procedural sedation, practitioner reappointments, Leapfrog, and Stroke/STEMI programs.
- Produced reports to support quality management, patient safety, patient experience, and other departmental initiatives.
- Analyzed complex hospital data to identify trends, assisting department directors in developing data-driven action plans.
- Presented key findings to department directors using Excel and PowerPoint for data visualization.
- Entered core measures into the hospital database and assisted with administrative tasks as needed.

- Oversaw data management for Quality Management, Infection Control, and Risk departments.
- Contributed to the planning and implementation of Cerner E.H.R. for the hospital.

Antelope Valley Medical Center – Lancaster, CA

Clinical Data Analyst | April 2017 – October 2018

- Managed Electronic Health Record (E.H.R.) systems and administered Midas Plus, Datavision, Statit, and Care Management software at A.V. Hospital.
- Oversaw hospital data submissions and served as a System Administrator for regulatory and third-party programs, including I.Q.R., O.Q.R., QNET, Leapfrog Group, C.M.Q.C.C., and PRIME.
- Supported quality management, risk management, and infection control in data projects such as public reporting, core measure abstraction, insurance verification reports, and peer review.
- Designed data measures and studies to support performance improvement initiatives.
- Led project management efforts for the E.H.R. system conversion from Meditech to Cerner, coordinating system migration and training.
- Assisted in planning data extraction, defining data requirements, and other key activities to prepare for the Cerner transition.

Mountaintop Data – Canoga Park, CA

PHP Developer | January 2017 – April 2017

- Led the migration and redesign of the organization's website using WordPress for Professionals, optimizing Search Engine Optimization (SEO) implementation.
- Conducted comprehensive audits on website functionality and IT systems to improve performance.
- Researched market trends to implement best practices in web design and user experience.
- Developed a troubleshooting guide for website procedures based on WordPress best practices.
- Assisted the Senior Database Manager in installing server updates using Python.

EDUCATION

California State University, Fullerton

Master of Science, Software Engineering - Starting Fall 2025

California Lutheran University

Master of Science, Information Systems and Technology - May 2017

California State University, Bakersfield
Bachelor of Science, Business Administration - March 2015

CERTIFICATES

- Value Investing: Making Intelligent Investment Decisions – Columbia University
 - Annual Regulatory Compliance Certificate
 - AWS Business Professional
 - Core measures Training Certificate
 - Datavision Value Based Purchasing Certificate
 - MIDAS RDE Certificate
 - Report rack: Report Scheduling Certificate
 - Sophos Sales Fundamentals - Sales Consultant
 - Sophos MSP Connect - Sales Consultant
 - System Manager I: Dictionary Maintenance Certificate
 - VMware Sales Professional
 - VMware-VSP – Foundation
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ADDITIONAL SKILLS

Languages: Bilingual (English and Spanish)

Technical Skills: C#, .NET, Blazor, PowerShell, Google Apps scripting, SQL, EHR systems, Software Development, Snowflake, PHP, and much more.

Soft Skills: Strong analytical and research abilities, creative thinker, team player, excellent communication and interpersonal skills