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Top Skills

Generator Excitation and Protection
Automatic Voltage Regulation
Digital/Numeric Relays

Languages

Spanish (Native or Bilingual)

Emil Rivas

Sovereign Ai Infrastructure from edge to action.
St. Petersburg, Florida, United States

Summary

Professional Experience: Technical Sales, Application Engineer, Network Engineer, Electrical Engineer, Multinational Business Development, CDL License Holder with Semi 18-Wheeler Flatbed Experience. Application Engineering with automatic voltage regulation and excitation for generators and synchronous motors. Power system protection and specialized controls of motors and pumps. Application Engineering for current transformers, potential transformers, and control potential transformers for low voltage and medium voltage applications. Technical support for automatic voltage regulators and excitation systems; Basler DECS 100, DECS 125, DECS 200, DECS 250, DECS 400, Cutler Hammer/ Basler ECS 2100, DECS 2100, and BE1-11 series protective relays. System Engineering experience by providing enterprise level application support and troubleshooting (3rd Level Support, ATT VoiceTone IVR, WebLogic, IBM Blade ServerPrise Server, Oracle Apex. Enterprise class server system administration, Unix/Linux, Windows System Administration, Network Administration, Load Balancing, Application performance tuning and support, Unix and Windows Scripting, Web Server Administration, Server Application Integration, Web Server Integration, Perl Scripting, Microsoft Visual Basic for Applications scripting. Hardware level server and network device management and performance monitoring, Electrical Engineering, Electronic Design, Electronic Troubleshooting, RF Troubleshooting and Design, Development Test Engineer, EDI System Engineer, ASIC Development and Testing, G.I.S. Product Sales. System Integration and Automation. Actively involved in promoting and mentoring FIRST Robotics teams and participation in annual competitions while providing hands on technical guidance. Experience with MCAD programs such as PTC Creo Parametric, Autodesk Inventor, and SolidWorks. Experience with PTC's Product Lifecycle Management product ("Windchill"). Experience with the integration of National Instruments' cRIO PAC controller and its programming through LabView.

Experience

Mercer Transportation

Semi Truck Flatbed Driver

August 2025 - February 2026 (7 months)

United States

18 wheel Flatbed Driver

Melton Truck Lines

Semi Truck Flatbed Driver

January 2019 - November 2024 (5 years 11 months)

United States

18 wheel flatbed driver

Basler Electric

Senior Application Engineer

December 2009 - February 2014 (4 years 3 months)

Tampa/St. Petersburg, Latin America, and the Caribbean

Senior application engineer for Latin American and the Caribbean, representing Power Generation product line of automatic voltage regulators, excitation equipment for generators and synchronous motors, protection relays, and specialized controllers. Successful in achieving preferred supplier status while gaining customer confidence in challenging markets. Knowledge of electrical standards including IEC, ANSI, IEEE, CE, CSA and UL. Experience with power distribution, sensor recommendations, and electrical/electronic technical documentation and translation.

Technical support for automatic voltage regulators and excitation systems; Basler DECS 100, DECS 125, DECS 200, DECS 250, DECS 400, Cutler Hammer/ Basler ECS 2100, DECS 2100, and BE1-11 series protective relays.

Responsible for translation/writing technical documentation projects required of customers from English to Spanish and Portuguese. Converted company's application notes from English to Spanish. Created sales tools and collateral sales and marketing materials for business development efforts in Latin America.

G.E. (Instrument Transformers Inc.)

Application Engineer, Technical Sales and Account Management

October 2007 - April 2009 (1 year 7 months)

Technical sales support, product/project quotations for the electrical distribution industry. Responsible for multi-national accounts including Asia, Latin America, Europe, Middle East and Africa. Set a new company record in securing the largest expedite fee for enhanced production schedules while also instrumental in the record growth mode increasing sales from \$194,000 in 2007 to 1.3 million in 2008 for a key Mexican account.

AT&T

Network/Application Engineer

October 2006 - October 2007 (1 year 1 month)

Interim Contract

Consulted and provided third level support for highly customized interactive voice response system unique to AT&T (Voice Tone). Supported patented technology for voice recognition. Technical support and proposed process improvements to achieve high volumes of transactions with low failure rates while achieving high customer satisfaction ratings. Technical areas included network maintenance functions, IBM Blade server technology, web based processes, multi-tiered server based transactions and highly redundant, load balancing architectures.

VeriSign

Network/Database/Application Engineer

July 2006 - October 2006 (4 months)

Interim Contract

Consulted, monitored and analyzed wireless telecom pre and post processing of international GSM roaming billing agreements. Analyzed electronic data transactions (EDI) for validity and accuracy. Enabled custom processing and automation tools to capture erroneous transactions being executed by newly developed specialized GSM clearinghouse software.

Verizon

Network Command Center Engineer

February 2006 - June 2006 (5 months)

Interim Contract

Consulting, monitoring, administration, and troubleshooting of Cisco based network, including ATM, EIGRP, SNA, Voice over IP, and use of HP OpenView, Netcool, and Cisco monitoring tools for the Federated Stores conglomerate.

OneTech4u

Owner

December 2003 - December 2005 (2 years 1 month)

Integration Solutions Provider

Freelanced technology support services offering Microsoft Small Business Server with integrated fax services using Microsoft Exchange. Integrated centrally managed enterprise class virus protection. Seamless fully integrated internet based shopping cart through QuickBooks Enterprise. Offer of total mobility via secure remote access tunnel through internet via PDAs and laptops. Provide security centric, monitored networked systems. Streamlined processes through electronic document management techniques.

Ceridian

Senior Network Engineer

July 1999 - December 2003 (4 years 6 months)

Responsible for the local area network and wide area network of St Petersburg's 10 building campus 1300 node network. Technical lead for St. Petersburg campus network services group. Trained in project management utilizing Microsoft Project. Deployed and managed network projects tracked through Six Sigma metrics. Network administration of approximately 30 enterprise class switches both Cisco and Nortel and approximately 20 routers. Functions typical to network engineering included network documentation through Visio diagrams, network performance analysis through HP OpenView and network specific tools. Sniffer capture and network packet analysis, custom automation programming, centralized authentication configuration, SNMP based monitoring, and overall enterprise level network maintenance and troubleshooting.

Jabil

Development Test Engineer

August 1997 - July 1999 (2 years)

Lead development engineer for Cisco router product line. Responsible for the supervision of the electronic technician team. Process improvement, electronic design, software design, and functional test development. Followed complete product cycle from early design stages with one hundred percent test coverage to more production ready levels with statistical sample lot testing.

Unix System Administrator

Including associated roles for highly redundant DEC Alpha cluster running Jabil's Material Requirements Planning and the Enterprise Resource Planning software (MRP/ERP). Responsible for maintaining maximum uptime, forecasting future utilization, coordinate backups, customizing scripts (csh, sh, perl), solve hardware issues, provide documentation; perform software installs, firmware and software upgrades and coordinate hardware upgrades.

EDI Department System Engineer

Technical /system/administrative support to Sterling based EDI Gentran application.

Tranztek

Owner

February 1995 - August 1997 (2 years 7 months)

Geographical Information System, 3-D Terrain Mapping and Sales

Gained exclusive representation of a sophisticated software package and introduced it to Codelco in Chile; South America, the world's largest copper mining operation in the world which enabled three dimensional rendering of terrain from satellite imagery. This technology allowed for a "virtual flight" of mountainous terrain in the Andes seeking for geographic features indicative of potential mining deposits.

Raytheon (E-Systems)

Engineer II

November 1992 - January 1995 (2 years 3 months)

Engineer for the antenna department working on several phases of production prototype military phased array antennas. Responsibilities included the development of testing software to be used in various levels of testing, diagnosing and troubleshooting of digital controller cards used in phased array microwave antennas. Coordinated the manufacture of antennas and provided improvements that would minimize failure rates and improve the overall manufacturing processes at all levels.

Education

Florida International University

Bachelor of Sciences in Electrical Engineering, Control Systems

Theory · (1981 - 1989)