

Eng. DANIEL E. ALARCON'S RESUME

Daniel Eduardo Alarcón M.
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Bucaramanga, Santander.
Colombia, South America
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Detailed Resume at: <http://www.daniel-alarcon.cjb.net/>
Electrical Engineer Word Format Resume # 002-03

GENERAL PROFILE

Power Systems Electrical Engineer with 13+ years working in Transmission and Distribution Lines, Power Systems, Electrical Substations, Power Transformers and Towers (13.2/34.5/115/230 Kv). Design and Construction. AutoCAD™ strong user, Easy Power™ and Power Station™ user at the local light company, experience with automated line design tools such as TLCADD™ (Transmission Line Computer Aided Design and Drafting), LD-Pro™ (Line Design – Professional), PLSCADD™ (Power Line Systems - Computer Aided Design and Drafting) and similar packages, and maybe all Microsoft Windows™ knowledge.

Electrical Engineer with 10+ years of experience in electrical design and engineer building electrical power distribution, lighting, security, paging and low-voltage data systems to ensure safe, reliable and energy-efficient operations of Industrial, Residential, Commercial (building) projects, and healthcare facilities.

SKILLS

General:

- Demonstrated ability to analyze business/technical problems and select, design, or implement information technology solutions in accordance with business needs.
- Demonstrated effective oral and written communication skills with the ability to communicate technical information to non-technical personnel.
- Demonstrated working knowledge of multiple business disciplines.
- Ability and willingness to work on multiple projects at one time and be able to adapt to changing priorities.
- Ability to work with team members to deliver on time and on budget-committed results to customers.
- Management of subcontracts, knowledge of multi-discipline construction methods and practices.

Professional:**Development of Power Quality Studies:**

- Working as part of a team of electrical engineers and designers.
- Ability to read and interpret electrical diagrams and schematic blueprints.
- Perform short circuit, Load Flow, Protective Relay Coordination and coordination studies utilizing state-of-the-art software; generate existing conditions reports.
- Electrical Design Projects: Analysis, design, documentation of large and/or complex power distribution, lighting design, fire alarm, security, audio/visual, telecommunications, and telephone systems for new and renovated and for a variety of building types.
- Experience include high, medium and low voltage systems design including specifying, power distribution, schematics, layouts, grounding system, and secondary systems, estimating and load studies.
- Working knowledge of the National Electrical Code (NFPA 70), the National Fire Alarm Code (NFPA 72), and the Life Safety Code (NFPA 101).
- Help to develop specifications for use in bid packages and develop working drawings.
- Strong knowledge of the design and construction of overhead and underground distribution systems, single line and three line diagrams, electrical interconnect drawings, and structural / electrical details as well as familiarity with NESC (National Electric Safety Code), NEC(National Electric Code), and RUS construction specifications.

Languages, Systems and Applications Knowledge:

| Skill Description | Skill Level | Last Used |
|---|--------------------|--------------------|
| AutoCAD™ 12/14/2004. | High | Work – 2003 |
| Microsoft Office 2003/XP Premium™. (Word, Excel, Access, Outlook, PowerPoint, FrontPage). | High | Work – 2003 |
| Microsoft Windows™ XP/ME/98/95 & 3.1. operating systems. | High | Work – 2003 |
| Microsoft Windows™ NT and Windows™ 2000/XP operating systems. | Medium | Work – 2002 |
| Microsoft Project™ 2002. | Medium | Work – 1999 |
| Microsoft Visual Basic™ | Medium | Work – 1999 |
| Microsoft Visual FoxPro™ 6.0. | High | Work – 2002 |
| Easy Power™. (Load Flow and Short Circuit Program). | High | Work – 2001 |
| And maybe all Internet knowledge (E-mail, Ftp, Web Site Construction and Configuration (Dreamweaver™ 4.0), Files - Upload & Download, IP Telephony, Optimal modem configuration). | Super | Work – 2003 |
| Hardware & Software computer assembling and configuration. | High | Work – 2003 |

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WORK EXPERIENCE

2/1988 – **Present.**

Electrificadora de Santander S.A. [ESSA S.A] .(The Local Light Company).

Address: Cra 19 24-56

Bucaramanga, Sder, Colombia.

<http://www.essa.com.co/>

South America.

Achievements:

External Contract.

- Construction of Electrical Transmission and Distribution Lines (Overhead and Underground distribution systems), Substations, and Farm Electric Lines.
- Construction of lighting, power, data/telecommunications, fire alarm, and emergency systems for new and renovated buildings.
- Transmission Line Design, Civil- Structural background and experience, Wire-Sag Calculations, Wire-Tension Calculations, experience with automated line design tools such as TLCADD™, LD-Pro™, PLSCADD™ and similar packages.
- All phases of electrical system design: load calculations, fault calculations; power service and distribution system design, circuiting, equipment selection and specification; fire alarm system design, telecom/data system rough-in; computer modeling of electrical systems; interaction with Architects and other engineering disciplines; design of electrical installation and construction details; other miscellaneous duties.
- All phases of design of lighting and lighting control systems: selection of fixtures; calculation of lighting levels; calculation of electrical loads; Title 24 energy efficiency analysis; interaction with architects; presentation of conceptual lighting designs to owners/users; computer modeling of systems; design of lighting installation and construction details; other miscellaneous duties.

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TARGETS

JOB:

Desired Job Type: Employee, Intern, Temporary/Contract/Project

Desired Status: Full-Time, Part-Time

Desired Salary: Salary negotiable.

Site Location: Any USA– CANADA - AUSTRALIA Place.

TARGETS (Cont.):

Description of my perfect job:

I will be comfortable with the New Job.

Career Level: Management (Manager/Director of Staff).

Date of Availability: Immediately.

COMPANY:

Company Size: No Preference.

Category: Engineering.

LOCATIONS:

Relocate: Yes.

Country: USA – CANADA - AUSTRALIA.

Willing to travel?: Yes.

WORK STATUS

I'm working in Colombia, South America.

I require sponsorship to work in USA or,

Need H1-B visa sponsorship.

You can find **Immigration Law and Resources** [HERE](#)

EDUCATION

7/1986 Power Systems Electrical Engineer

Bucaramanga - Santander - Colombia (South America)

Professional

Power Systems Electrical Engineer

SANTANDER INDUSTRIAL UNIVERSITY (UIS)

<http://www.uis.edu.co/>

My P.E. certification is **under accreditation** by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET).

EDUCATION (Cont.):

12/1990 Financial and Business Specialist
Bucaramanga - Santander - Colombia (South America)
Professional
Financial and Business Specialist
UNIVERSIDAD AUTÓNOMA DE BUCARAMANGA (UNAB).
<http://www.unab.edu.co/>

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AFFILIATIONS

8/1986 - Present
Electrical and Mechanical Engineers Colombian Association (ACIEM)
<http://www.aciem.org>
Phone Number: 577-642-7003 Intl. Phone Call.
e-mail: aciembga@andinet.com
Active Member.

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REFERENCES

Eng. Carlos Alfonso Peralta (English Speaker)
Electrificadora de Santander S.A. (ESSA S.A.)
<http://www.essa.com.co/>
Transmission and Distribution Manager
Phone Number: 577-633-4971 Intl. Phone Call.
e-mail: cperalta@essa.com.co
Country: Colombia, South America
Reference Type: Professional.

More references available upon request.

Resume Effective Date: May, 2004

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