

ALEXIS ISAZA AYALA.

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Cali, Valle del Cauca, Colombia.

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Electrical engineer with leadership experience in areas of:

- **Power Quality**
 - **Power system modeling in Etap**
 - **Electric Design**
 - **Electrical Equipment Testing**
 - **Sales and customer service**
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TECHNOLOGY LEADERSHIP EXPERTISE INCLUDES:

Software

- **Etap 12.6**
- **Flux 2D.**
- **Digsilent.**
- **Office package**

EMPLOYMENT

EPSA, Cali, Valledel Cauca, Colombia

2017 /Current

Account executive

Sale of energy solutions: studies of energy efficiency, energy quality, maintenance of substations, commissioning studies, design and execution of electrical projects.

SICE, Cali, Valledel Cauca, Colombia

2015 /2017

Special services engineer

Modeling: modeling of power systems using Etap to run power flow, short circuit, harmonic flow, starting large loads, coordination of protections. Modeling for studies commissioned by a network operator.

Power quality analysis: Power quality reports, review of electrical parameters: Voltage, THD-V, THD-I, power factor, voltage unbalance, according to IEEE 519-2014 standard.

UNILEVER, Cali, Valle del Cauca

2014/2015

Project Engineer

Salsa and Zafra Project: Management of the electrical assembly of the project, relation with contractors, projection of delivery, stages of project.

Universidad del Valle, Cali, Valle del Cauca, Colombia

2012/2013

Test Engineer

Test engineer to different equipment and electrical accessories, with IEEE, IEC and NTC standards.

Test all electrical equipment: dielectric boots, dielectric helmets, dielectric gloves, mats,

cranes, measuring equipment, poles, circuit breakers, DPS.

Transformer tests: impulse, insulation, resistance of windings, transformation ratio, vacuum losses, losses with load.

Quality management of the laboratory.

EDUCATION/PROFESSIONAL DEVELOPMENT

2008 / 2015 Universidad del Valle, Cali, Valle del Cauca, Colombia
Electrical Engineer

POST GRADUATE TRAINING

2015 / 2017 Universidad del Valle, Cali, Valle del Cauca, Colombia
Power transmission and distribution systems specialist

COURSES AND TRAINING

- Training: "Coordination of protections using Etap 16", duration 3 days; PTI; 2017.
- Course: "Finite Elements (Flux 2d)", dictated by Ph.D. Harold Diaz; Duration 4 months; University of the Valley; 2013.
- Course: "Analysis of power systems I", dictated by the Ph.D Carlos Arturo Lozano; Duration 4 months; Universidad del Valle; 2013.
- Course: "High voltage I", dictated by the Ph.D Ferley Castro Aranda; duration 4 months; Universidad del Valle; 2012.
- Training: "Losses in transformers", duration 4 hours; High Voltage Laboratory; Universidad del Valle; 2013.
- Training: "Audible noise test on transformers", duration 3 hours; High Voltage Laboratory; Universidad del Valle; 2013.
- Training: "Impulse test and oscilloscope management", duration 2 hours; High Voltage Laboratory; Universidad del Valle; 2013.
- Training: "Quality management system", duration 2 hours; High Voltage Laboratory; Universidad del Valle; 2013.

PROFESSIONAL ASSOCIATIONS

ACIEM Cali, Valle del Cauca, Colombia

Electrical Engineer (Professional registration VL205-110821)