

# **JESUS DAVID GUERRA CHACON**

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## **SITURA INC**

**Toronto, Ontario**

### **Engineering Technician**

**Feb 2021 - Oct 2022**

- Standardized the CAD database, including but not limited to: 20+ templates, 70+ detail drawings, and 100+ blocks (regular and dynamic), which increased shop drawing generation by over 50%
- Thoroughly reviewed blueprints and construction specifications to come up with the most labor-saving and cost-effective expansion joint waterproofing solution for over 300 projects worldwide.
- Prepared shop drawings, custom details, and take-offs; liaised with internal and external stakeholders to secure the accuracy of the deliverables
- Provided a world-class customer service and technical expertise during the ordering, fabrication, shipping and installation processes for each project.
- Trained, supervised, and kept engaged, new architectural and engineering recruits are integrated into the company processes to guarantee their rapid and successful adaptation to their roles.

## **CONSTRUCTORA NOMUR S.A.**

**Babahoyo, Ecuador**

### **Site Engineer**

**Jan 2016 - Jun 2017**

- Managed and directed the project work of restoration of a 5.5km asphalt road in a remote area of the country. Controlled the project's schedule. Monitored and controlled the grading of rural roads and the built of stormwater drainages in diverse locations. Up to three projects at a time
- Composed a change request in partnership with stakeholders, which was approved representing a 25% increase in budget and scope by identifying the need expand the project 900 m into the town and include a roundabout
- Prepared and presented project status reports and applications for payments as requested per client or contract
- Facilitated and supported Health and Safety representatives and client through audit process
- Served as liaison when disagreement occurred on-site, whenever necessary
- Developed and reviewed bidding documents, project plans, budget, schedule, and take-offs to apply for the acquisition of new projects

### **Assistant Site Engineer**

**Sep 2015 - Dec 2015**

- Mentored and guided the topographer to keep track of, and understand, the goals and objectives of the project as well as conventional transportation engineering concepts and techniques
- Supervised and monitored the accuracy and quality of materials brought to site by approximately 30 dump trucks per day for the construction of the base and sub-base of the road
- Produced daily reports related to the status of project, including activities completed and the substantial performance of the machinery operators and staff onsite
- Conducted daily inspections to assure the health and safety of workers and motorists

**Design Engineer****Jan 2014 - Aug 2015**

- Designed, computed, and budgeted for a 16 km water pipeline between a reservoir and a treatment plant. Expedited the project's delivery by introducing the Autodesk software Civil3D in addition to CAD, reducing the time invested in modifying and updating blueprints by 50%
- Partnered with other professionals to obtain HEC software training (HMS/RAS) to participate in the modelling and design of a 10 km river channelling
- Diagnosed and updated water service lines, stormwater and wastewater lines, located in different parts of the country, for both residential and commercial zones, using a combination EPAnet and other software

**EDUCATION**

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**GEORGE BROWN COLLEGE****Toronto, Ontario****Construction Estimator Certificate****2019****Construction Project Manager Certificate****2020****UNIVERSIDAD CENTRAL DE VENEZUELA****Caracas, Venezuela****Bachelor of Engineering (B.E.), Civil****2007-2014****LICENSES**

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**Project Management Professional (PMP) by PMI****ID 3160962****Issued Nov 2021****Engineer [Inter] (EIT) by PEO****ID 100563092****Issued Mar 2022****ADDITIONAL INFORMATION**

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- Currently pursuing Professional Engineering Licensing
- Volunteer at Engineers Without Borders - Canada, chapter Toronto. 2020
- Volunteer at Techo, Venezuela. Fundraising, data collection, site inspection and construction of temporary residency units for families living under dangerous conditions. 2012-2017
- Languages: English (fluent), Spanish (fluent), French (Basic)
- Computer skills: Microsoft Office (Word, Excel, PowerPoint), Microsoft Project, Autodesk AutoCAD and Civil 3D, Plan Swift, Epanet, HEC-RAS, HEC-HMS
- Other interests: books (fiction and non-fiction); podcasts (engineering and languages); cycling; hiking; gym; road trips and avid traveler. WWF, 4Ocean and Save the Children donor and advocate