

## Resume of Ronnie Villaranda, P.Eng

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### OBJECTIVE

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To obtain a rewarding job as a SITE ENGINEER/STRUCTURAL ENGINEER where I can utilize and develop my skills as well as contribute to the growth of the company.

### SUMMARY OF QUALIFICATIONS

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Proven effective in multi-discipline coordination. Attention to details in creating concept framings in accommodating different discipline requirements as required.

- Site review of construction projects to monitor and check adherence to the requirements of the contract drawings. Includes review of construction repair works on deficiencies and review of contractor progress.
- Preparation and issuance of revision notices (as required).
- Processing of contractor Request for Information (RFI).
- Provide engineering support during construction to include review of shop drawings e.g. rebar, structural steel erection drawings, open web steel joists, metal decking, metal studs etc.
- Preparation and issuance of revision notices (as required).
  
- Structural Design and Analysis of structural steel commercial and industrial structures to the Ontario Building Code and CISC, or to the American Code and AISC. Includes load calculation, foundation design and sizing of structural members / roof diaphragm design.
  - Coordinating the structural work in liaison with client, architect and other engineering discipline working as part of the Project Design Team.
  - Checking of compatibility of structural members.
  - Preparation and issuance of revision notices (as required).

### WORK EXPERIENCE

#### **SNP TECHNICAL SERVICES INC., Troy, Michigan USA**

Structural Engineer

*July 2015 to December 2018*

Volvo Car Assembly South Carolina, (2017-2018) – In-facility conveyor supports and additional platforms

- Structural Design and Analysis of new structural steel structures to the AISC Building Code
- Site review of construction projects to monitor and check adherence to the requirements of the contract drawings. Includes review of construction repair works on deficiencies.
- Preparation and issuance of revision notices (as required).
- Processing of contractor Request for Information (RFI).
- Review of shop drawings e.g. structural steel erection drawings and fabrication drawings

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Fiat Chrysler Automobiles Group USA , Toledo North Assembly Plant, Ohio (2016-2017) – Additional Facility Structures e.g. new Hard Top Dock, new FEM Dock, Engine Dock, Stripper Dock, Power Train Docks and Check of new Conveyor supports.

- Responsible for project site management during construction for different disciplines e.g. Civil, Structural, Architectural, Mechanical and Electrical.
- Site review of construction activities to monitor and check adherence to the requirements of the contract drawings. Includes review of construction repair works on deficiencies and review of contractor progress billing.
- Preparation and issuance of revision notices (as required).
- Processing of contractor Request for Information (RFI).
- Provide engineering support during construction to include review of shop drawings e.g. rebar, structural steel erection drawings, open web steel joists, metal decking, metal studs etc.
- Preparation and issuance of revision notices (as required).
- Includes review of existing building trusses supporting new conveyor.
- Buy-Off of Areas / Equipments
- Part of Design Team responsible for the Structural Design and Analysis of the Additional Facility and conveyor steel supports at various locations based on the latest AISC Building Code

Fiat Chrysler Automobiles Group Canada, , Haydite Roof Inspection , Windsor Assembly Plant, Windsor, Ontario (2015)

- Responsible for site review and repair coordination
- Structural Design and Analysis of structural steel industrial structures to the Ontario Building Code and CISC.

Cutting Edge Technologies, Facility Additions, Windsor, Ontario (2015)

- AutoCAD drawing production
- Structural Design and Analysis of structural steel industrial structures to the Ontario Building Code and CISC.

### **GENIVAR INC., Markham , Ontario**

Structural Engineer

*January 2008-June 2013*

- Provide engineering support during construction to include review of shop drawings e.g. rebar, structural steel erection drawings, open web steel joists, metal decking, metal studs etc.
- Preparation and issuance of revision notices (as required).
- Processing of contractor Request for Information (RFI).
- Includes review of construction repair works on deficiencies and review of contractor progress billing.

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- Structural Design and Analysis of structural steel commercial and industrial structures to the Ontario Building Code and CISC. Includes load calculation, foundation design and sizing of structural members and roof diaphragm design.
  - As team leader/ project-in-charge - coordinating the structural work in liaison with client, architect and other engineering discipline working as part of the Project Design Team.
  - Checking of design, drawings and details to include Beam/Column/Footing sizes.
  - Checking of compatibility of structural members.
- Projects involved with or completed in Genivar:
  - Lowes Store at different locations such as North Burlington, Cambridge, Sarnia.
  - Various Walmart Stores e.g. Sudbury, Kanata, Mission BC
  - LCBO Store at Simcoe
  - Retail Store located at Kanata, Ottawa (same development area as Walmart)

### **BANERJEE & ASSOCIATES LTD, Markham, Ontario**

Structural Engineer

*July 2006-January 2008*

- Site review of on-going construction projects to monitor and check adherence to the requirements of the contract drawings. Includes review of construction repair works on deficiencies and review of contractor progress billing.
- Structural Design and Analysis of structural steel commercial and industrial structures to the Ontario Building Code and CISC. Includes load calculation, foundation design and sizing of structural members.
  - Liaison with client, architect and other engineering discipline working as part of the Project Design Team.
  - Engineering support during construction to include review of shop drawings e.g. rebars, structural steel erection drawings, open web steel joists, metal decking, metal studs etc.
  - Preparation and issuance of revision notices (as required).
  - Processing of contractor Request for Information (RFI).
- Projects involved with or completed in Banerjee:
  - Lowes Store at different locations such as South Brampton, Maples, Castlefield, East Gwillimbury

### **KAZMAR STRUCTURAL ENGINEERS, Markham, Ontario**

Structural Engineer

*August 2000-July 2006*

- Site inspection of on-going construction projects to monitor and check adherence to the requirements of the contract drawings. Includes attending site meetings, as necessary.
- Structural Analysis and Design of commercial type steel buildings using Gerber System. Includes load calculations and sizing of structural members.
  - Checking of drawings i.e. providing markups on drawings during the design phase of the project.
  - Preparation and issuance of revision notices.

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- Liaison with client, architect and other engineering discipline. Includes attendance of meetings, as required.
- Checking of shop drawings e.g. rebars, steel erection drawings, open web steel joists, metal decking, metal studs etc.
- Projects involved with or completed in Kazmar:
  - Various Walmart Stores, e.g. Orleans, Peterborough, Edson BC, Strathmore BC

### **VARIOUS ENGINEERING COMPANIES outside of Canada prior to year 2000 - as follows**

1. Arabian International Co., Jeddah, Saudi Arabia
  2. Executive Decisions Inc., Singapore
  3. Arabian Consulting and Engineering Centre, Al-Khobar, Saudi Arabia
  4. Meralco Industrial Engineering Services Corporation, Ortigas, Philippines
- Responsible for the overall preparation of steel erection and fabrication drawings.
  - Provide quick assistance in solving problems that may arise in the fabrication and/or erection works
  - Responsible for structural analysis and design of commercial and industrial structures of reinforced concrete and structural steel construction.
  - Inspection and monitoring/control of civil/structural construction projects
  - Responsible for structural analysis and design of Pipe Supports (in-plant or outside of plant) for oil and gas lines for Saudi Aramco Projects, to include above ground or below ground anchor supports.
  - Responsible for structural analysis and design of company projects e.g. Bataan Nuclear Project, Meralco Branch Offices, Computer Information Systems Building in both reinforced concrete and structural steel construction.

### PROFESSIONAL SKILLS

- Structural Engineering design and Construction Management.
- AutoCAD
- STAAD Program.
- Structural Design and Analysis of commercial and industrial structures in both reinforced concrete and structural steel to local codes e.g. National Building Code , CSA and CISC, AISC and ACI.

### REGISTRATIONS/AFFILIATIONS

P.Eng - Professional Engineer

### EDUCATION

Bachelor of Science in Civil Engineering  
University of Santo Tomas, 1978