

# **DASUN SIRIWARDENA PEng(UK) MSPE**

**BSc(Hons) in Construction Engineering(UK), PM(UAE), QS & BE(UK), MCAD-SolidWorks, CSWA-Simulation**  
(SFE) Society of Facade Engineers, (CIBSE) Chartered Institution of Building Services Engineers  
(SPE) Society of Professional Engineers, (EFN) European Facade Network

Address – P.O Box 12500, #45/1, Dias place, Panadura, Sri Lanka.  
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**Mobile No. +94 774 298 126**

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## **FAÇADE DESIGN ENGINEER**

**PROJECTS MANAGER**

**QUANTITY SURVEYOR**

Dynamic façade engineering design & project installation managing strategist with a **13+ year** record of achievement and demonstrated success driving huge amount of façade growth in **Srilanka, U.A.E, Iran, Oman & Ethiopia** while providing leadership in highly competitive environments. Exceptional mentor and coach in building new architectural and engineering façades as per international structural needs.

**Core competencies include:**

- ✓ **Façade Engineering**
- ✓ **Projects Managing**
- ✓ **Quantity Surveying**
- ✓ **Construction Engineering**
- ✓ **Façade Design and Structural Analysis**
- ✓ **Façade Design Consultancy**
- ✓ **Function able software packages**
  - Autodesk AutoCAD
  - Microsoft Project
  - SJ Mepla
  - STADD-Pro.
  - ANSYS
  - SolidWorks
  - Autodesk 3D's Max
  - Autodesk Impression
  - Adobe Photoshop
  - Adobe Illustrator
  - Adobe PageMaker
  - Microsoft Office
  - ICAM
  - Perfect Cut
- ✓ **Languages**
  - English
  - Sinhala
  - Hindi

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## PERSONAL DETAILS

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**Name in full**

Dasun Rangika Siriwardena

**Name with initials**

M.A.D.R Siriwardena

**Date of birth**

3<sup>rd</sup> of April 1986

**Gender**

Male

**Civil status**

Single

**Age**

31

**Nationality**

Srilankan

**International travelling document no.**

N1857476

**National identity card no.**

860944790v

**Engineering Facade Detailer – Omega Architectural and Decorative Glass**

*(Year 2005 April to 2007 April)*

141 Galle road, Panadura, Sri Lanka.

**Facade Designer / Technical Consultant - Orient Gold Plus (Pvt) Ltd.**

*(Year 2007 April to 2010 April)*

507/1, Prince of Wales avenue, Colombo 14, Sri Lanka.

**Facade Designer / Projects Manager – Dubai Glass Industry**

*(Year 2010 April to 2013)*

Po box 10303, Dubai, UAE.

**Selected Achievements:**

- ✓ **Al Lameek Trading and Contr. Ent. – Salalah, Oman** (Glass curtain-wall) Oman
  - Projects Manager
  - Façade Designer
- ✓ **Qeshm City Centre 1 – Iran** (Glass curtain-wall) Iran
  - Project Manager
  - Project Coordinator
  - Façade Designer
- ✓ **Radisson Blu – Ethiopia – Affrica** (Internal glass railing and decorations) Addis Ababa
  - Project Manager
  - Project Coordinator
  - Façade Designer
- ✓ **Arzanah Medical Complex – Abudabhi** (Internal glass systems)
  - Project Manager
  - Project Coordinator
  - Façade Designer
  - Site Engineer
- ✓ **Qeshm City Centre 2 – Royal City Building – Iran** (Glass curtain-wall) Iran
  - Project Manager
  - Project Coordinator
  - Façade Designer
  - Site Engineer

**Head of Façade Engineering & Projects – Light & Shades Wallspan (Pvt) Ltd.**

*(Year 2016 to 2017)*

#208, Main Road, Attidiya, Rathmalana, Sri Lanka.

### **Freelancing Facade Detailer – Tempered Glass Engineers**

*(Year 2005 April to up to date)*  
Mattegoda, Kottawa, Sri Lanka.

### **Freelancing Consultant – JVSN Trading & Company (Pvt) Ltd.**

*(Year 2013 to 2016)*  
111/3, Ranjith Ranasinghe Mw, Malapalla, Pannipitiya, Sri Lanka.

### **Freelancing Consultant – Noor Al Huda Glass LLC**

*(Year 2013 April to upto date)*  
Po box 6127, Dubai, UAE.

### **Freelancing Consultant – D.K Engineering & Trading Company (Pvt) Ltd.**

*(Year 2013 to 2016)*  
P.O Box. 12500, 11, Piriwena Rd, Pinwatte, Panadura, Sri Lanka.

### **Freelancing Consultant – Vinivida**

*(Year 2013 to 2016)*  
P.O Box. 12500, 1/45, Dias Place, Panadura, Sri Lanka.

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## EDUCATION & TRAINING

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### **Certificate in STADD.Pro**

CADD Center, Sri Lanka. (2018)

- New modeling quick template, Material properties
- Drawing on grids, Draw beams / Brace objects
- Model, Replicate and extrude through SATDD.pro
- Concrete frame design shell and joint property specification
- Loading and analysis load patterns
- Edit / Divide joint frames, Reverse frame connectivity

### **Certificate in Mechanical CADD - SolidWorks**

CADD Center, Sri Lanka. (2016)

- Sketch Editing
- Part modeling
- Reference geometry
- Advance model tooling / assembly & surface modeling
- Environment & utilities
- Drawing views & detailing
- Sheet metal & Weldments
- Animation and photo works

## **The Certified SOLIDWORKS Associate - Simulation (CSWA-S) (SOLIDWORKS)**

Acecam Technology Center, Sri Lanka. (2016)

- Basic View Creation
- Engineering Mechanics - Statics
- Strength of Materials
- Finite Element Method / Finite Element Analysis Theory
- Applied concepts in SOLIDWORKS Simulation:
  - Top level
  - Defining Static Analysis Study
  - Applying Materials
  - Working with Solid and Sheet Metal models
  - Defining Solid, Shell, and Beam elements
  - Applying and modifying Connections, Contact Set, and Contact Type
  - Defining Standard and Advanced Fixtures and External loads
  - Knowledge setting and modifying of SI/English units
  - Defining Local and Global coordinate systems
  - Understanding the axial forces, shear forces, bending moments, factor of safety
  - Defining Connector properties such as Contact Sets, No Penetration, Bonded
  - Setting up and modifying plots to display in the Results folder
  - Working with Multibody parts as different solid bodies
  - Creating different mesh types, quality, and parameters for parts and assemblies
  - Selecting different solvers as directed to optimize problems
  - Determining if results are valid and make sense
  - Understanding the types of problems SOLIDWORKS Simulation can solve
  - Using SOLIDWORKS Simulation Help

## **+ Bachelor of Science (Hons) in Construction Engineering (Sheffield Hallam University - UK)**

ICBT Campus – Mount Lavinia, Sri Lanka. (2016)

- Building Technology
- Structural Engineering Design
- Geo Techniques
- Construction Project Management
- Dissertation

## **+ HND in Quantity Surveying & Built Environment (Edexcel)**

ICBT Campus – Mount Lavinia, Sri Lanka. (2014)

- Site Surveying Procedures for Construction & the Built Environment
- Construction & Maintenance of Buildings
- Health & Welfare for Construction & the Built Environment
- Computer Aided Design for Construction
- Management Principles for Construction & the Built Environment
- Technology of Complex Buildings
- Design Principles & Application for Construction & the Built Environment
- Building Service Design, Installation & Maintenance in Construction
- Conversion & Adaptation of Buildings
- Measurement Process for Construction
- Law & Contract for Construction & Built Environment
- Advance Measurement for Construction
- Group Project in the Construction Industry
- Research Project
- Work Based Training & Development in Construction & the Built Environment

## **+ Project Management (Al-Shabaka Technical Institute)**

ASTI-Dubai – Dubai, United Arab Emirates. (2012)

- The project management framework
- The standard for project management of a project
- The project management knowledge areas

## **+ Engineering Draughtsman Apprenticeship (Ministry of Sports and Youth Affairs)**

Vocational Training Centre – Rathmalana, Sri Lanka. (2005)

- Draughtsman ship
- Engineering materials
- Construction technology
- Geometrical and mechanical drawing

## **+ Engineering Auto CAD Draughtsman ship – Structural & Mechanical**

K-Comp Computer Services – Moratuwa, Sri Lanka (2005)

- Construction technology (Structural and Mechanical)
- Engineering material science (Structural and Mechanical)
- Engineering mathematics (Structural and Mechanical)
- Manual drawing and AutoCAD 2004 and AutoCAD LT
- Fundamentals of measurements (Structural and Mechanical)
- Information technology
- English and communication skills

## **Facade Detailing & Designing – ‘Spider’ Glass Assembly Solutions**

Tempered Glass Engineers – Mattegoda, Kottawa, Sri Lanka (2005)

- Austvision ‘Spider’ glass assembly solutions
- Tempered glass tension truss and glass Fin Spider systems (Designing and Installation)
- Designing stainless steel glass fixing fittings
- Dead load and wind load calculations for glass façade
- Frameless glass sliding door systems
- Frameless glass spider folding door systems
- Frameless glass ‘Spider’ tension rod systems
- Point supporting insulated glass systems
- Frameless glass ‘Spider’ glass Fin systems
- Suspended glass assembly systems
- Spider post glazing systems
- Structural glass balustrades
- Glass canopy systems

## **3D Modeling & Animation – Structural**

University of Colombo School of computing- Colombo, Sri Lanka (2008)

- 3D Studio Max
- 3D modeling using 3D Studio Max
- Animation using 3D Studio Max

## **Graphic Designing (Vocational Certificate)**

Wijeya Graphics (Pvt) Ltd. – Colombo, Sri Lanka (2002)

- Adobe Photoshop
- Adobe Illustrator
- Adobe Pagemaker
- Adobe Indesign

## **Ordinary and Advance level studies**

D.S Senanayake College – Colombo 07, Sri Lanka (2002)

- **G.C.E O/L Examination (2002)**
- **G.C.E A/L Examination (2005)**
- Mathematics



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## EXTRA CURRICULAR ACTIVITIES

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- ✓ A member of Astronomy and space science association (D.S. Senanayake College)
- ✓ A member of Art association (D.S Senanayake College)
- ✓ Player - Under 17 Basketball team (D.S Senanayake College)
- ✓ Vice chairperson of Computer science association (D.S Senanayake College)

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## NON RELATED REFEREES

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- **Anuruddha Senanayake**  
Managing Director – Tempered Glass Engineers  
**Contact No. +94 773 430 021**
  
- **P.S.W Jayatissa**  
Managing Director – Leeds International  
Schools (Sri Lanka)  
**Contact No. +94 777 416 005**

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## THANKING

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Thank you for considering my application. I look forward to speaking with you soon about this employment opportunity,

Sincerely,

### **Dasun Siriwardena PEng(UK) MSPE**

BSc(Hons) in Construction Engineering(UK), PM(UAE), QS & BE(UK), MCAD-SolidWorks, CSWA-Simulation

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