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| Personal Information  |

**Marital Status** Unmarried

**Nationality** Sri Lankan

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| Career objective |

# *Seeking a HVAC /MEP engineering position that will enable me to utilize my extensive skill and experience with an opportunity to continue my professional development and growth. Set my ultimate goal as to become an effective engineer in energy simulation and modeling.*

# *Possess a strong sense of responsibility, dedication, honesty and committed to better quality.*

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| Educational Qualification |

**Jan2001 – Dec2004** **BSc (Hons.) in Engineering, Moratuwa University, Sri Lanka.**

Completed four years (full-time) special degree (English Medium) in Mechanical Engineering, Securing Second Pass.

(*See the annexure1 for the details*)

## **Mar1996–Aug1999** **G.C.E A/L BT/ Methodist Central College**. Physics (A), Applied Mathematics (A), Pure Mathematics (B), & Chemistry(C) - (where ‘A’ stands for Distinction, ‘B’ for a very good pass, and ‘C’ for Credit pass)

**Jan1985 – Dec 1995** **G.C.E O/L BT/ Methodist Central College.**

Tamil-D, English-D, mathematics-D, science-D, Art-C, Commerce and account-D, Social studies-D and Hinduism-D (‘D’ denotes Distinction grade and ‘C’ is Credit Pass)

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| Work Experience |

Company: **CODE CONTRACTING COMPANY LLC, ABU DHABI, UAE**

Period: 30th September 2014 onwards

Client: **ADNOC-Abu Dhabi National Oil Company**

Designation: Mechanical engineer

Recruited as mechanical engineer for Design and Build projects of building facility in

 *RUWAIS, ABU DHABI.*

* Design review and coordination of services before installation
* Preparing method statement of installation with coordination of quality control procedure and inspection plan
* Preparing material approval and verification
* Quantifying mechanical materials for purchasing.
* Site work execution, evaluation and reporting to project manager and construction manager.
* Responsible for site work supervision and as built drawing drafting.
* Application of ASHRAE and SMACNA standards and codes for Installation of AHU, FAHU,FCU, CCU and DX units with chilled water plant , GI and pre-insulated duct work and insulation.
* Wet pipe fire suppression system with zone control valve, standpipe, fire breeching, fire hydrant and hydrant pump system installation with UAE fire code requirements.
* Smoke detector, heat detector and fire alarm system installation and coordination with other services and BMS
* Application and Practising BS, Uniform plumbing code , NFPA code and UAE fire and safety code of practice which is required by Abu Dhabi Civil Defence
* Installation and testing of Irrigation system and controllers, with drip, sprayer, ET sensor, soil moisture sensor and all associated valves.

Company: **UNHABITAT,** Mulaitivu, Srilanka

Period: September 2013 to August 2014

Worked as charity worker in UNHAITAT at Mulaitivu and helping in evaluating site work

and tendering sub-contractors.

Company: **Berthold & Kotthoff (Germany)-Maldives**

Client: **VELAA Tourist Resort Private, Czech Republic**

Period: Jun 2011-July 2013

Designation: MEP Engineer-Design review, Installation, Testing and Maintenance

Industry: Project-Construction

Recruited as MEP engineer by German Contractor, called **Berthold & Kotthoff**, for

Construction of **Tourist Resort** in ***Fushivelavaru, Noonu Atol***, Maldives.

* Review of all MEP design prior to installation.
* Make shop drawings and As-built drawings of MEP installations in AutoCAD.
* Quantity surveying of all MEP Materials take offs and produce BOM& BOQ.
* Dealt with Tendering and contracting documentation of Sub-contractors and work evaluation prior to settlement.
* LPG pipes and manifold installation and testing for kitchen appliances
* Installation of Water heaters and hot-water recirculation of hot water supply
* Design review and installation of Air-link water heaters and multi split air conditioners.
* Design review, installation and testing of VRV 111, Roof top packaged and multi-split AC system (DAIKIN) with pre-Insulated & GI duct and without duct.
* Responsible of design review and Installation of other MEP service installations such as, Electrical wiring and distribution panel installation, fresh Water Supply, irrigation water supply in landscape and Drainage system, fire detection and sprinkler system, mechanical ventilation, cold room and compressor installation, laundry and kitchen equipment installation and swimming pool piping and equipment installation.
* Testing and commissioning of general MEP installation prior to handover to client.
* Part of the infrastructure team and involved in drainage and water supply with access point and pump house, Fire Hydrant (HDPE) pipe and hydrant installation, Strom water, yard drain pipe and access points installation and Irrigation system and pipe layout.
* Coordinating, supervising and training monthly preventive maintenance scheduled activities for the installations which were started operation.
* Procurement of spare parts locally and abroad, tendering receiving quotations, dealing with vendors and stocking fast moving spare parts in the store room.
* Ensuring the safety procedures/standards are followed while carrying out day to day maintenance work. Being familiar with the relevant MEP international codes and standards.

Company: **Waagner Biro- QATAR**

Period: Feb 2011-May 2011

Designation: Mechanical Engineer, Operation & Maintenance

Industry: Water and SewageTreatment

* Carried out the inspection and maintenance of pumps, generators and piping works
* Preparing check lists, snag lists, and punch lists of every activity.
* Worked with the project team to obtain the certificate of ISO 9000
* Daily inspection of operational activities in water and sewage treatment plants having control of SCADA system and SBR technology.
* Coordinating, supervising and training monthly Preventive Maintenance scheduled activities.

Company: **Srilanka Red Cross, Srilanka**

Period: Jan 2009 -Sept2010

Designation: Mechanical Engineer, Design & Construction

Industry: Water and Sewage Treatment

* Installing and monitoring the PVC piping works in sewage treatment and water treatment plant
* Design and development of piping layouts of common sewage treatment system
* Selecting and installing centrifugal pumps as per design specifications.
* Inspecting and monitoring the overhead tank and sump construction works
* Preparation of Bill of material of piping works
* Daily work monitoring of building construction.
* Reporting weekly and monthly, performance to the superiors, incorporation with other technical staffs.
* Performed vendor site visits for quality inspection of piping materials and centrifugal pumps and
* Prepared inspection reports and coordinated with procurement team.

Company: **RAPCO Trading and contracting company, (K.S.A)**

Period: Sept 2007—Aug2008

Designation: Mechanical Engineer, Piping and Coating.

Industry: Oil and Gas.

Project: SHARQ 3rd Expansion Project, Petrochemical Plant.

* Drawing checking from the latest revision and issue for the construction
* Conducting Hydro-Test to metallic and non-metallic pipes and Planning for RFI for piping and pipe coating and coordination with QC dept.
* Verify incoming materials as per drawing and attached packing list
* Check and review construction drawings against material taken off
* Visual and dimensional checking of all incoming materials as per specification.
* Visual inspection of fit-ups prior to QC inspection
* Review all packages prior to turn over to the client
* Conducted line checking and punch list clearing prior to hydro test
* Monitoring and maintaining the daily progress report
* Planning for the daily job and assign job to piping foremen
* Ensuring the safety procedures/standards are followed in the site.

Company: **Naagaa Builders Property Developers (pvt) Ltd, Srilanka**

Period: Nov 2004 – Nov 2006

Designation: MEP Engineer-Junior

Industry: Construction.

* Supervised and monitored plumping and drainage piping works and centrifugal pump installation and Electrical wiring and DB installation.
* Air conditioning system installation-Rooftop packaged unit
* Fire protection system installation.
* Elevator installation.
* Ensuring the safety procedures/standards are followed while carrying out day to day work.
* Carried out materials bidding and acquisitions, inventory control.
* Diesel generator maintenance.
* Maintaining pleasant working environment among the technical staff, client and vendors
* Attending weekly meetings, discussions, training sessions, submitting technical reports

Company: **Ceylon Glass Company (pvt) ltd, Srilanka**

Period: June 2003 – Nov 2003

Designation: Trainee, Mechanical engineer (Industrial training by the campus)

Industry: Manufacturing.

* The training obtained at the production unit, called hot end, where I had hands on experience to operate and control the glass bottle producing machines which had been controlled electronically, mechanically with aid of computer systems.
* I have supervised and controlled the defects in production and been involved in quality assurance and controlling of final produce.
* I have experience in *job changing* (changing the moulds for different type of bottle production) and *gob controlling* at the furnace (measure and change the gob size)

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| Professional Training |

Successfully completed certificate course in **HVAC design and Drafting** at DHANUSH MEP Training Centre in *Thrissur*, **India**, in the period of 16th Dec 2013 to 31st Jan 2014

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| ComputerLiteracy |

Have a good familiarity with the currently available Personal Computer and commonly used software Microsoft windows, Microsoft office (**Word & Excel specifically)**

Also familiar with engineering field related computer packages such as **Auto cad,** and **HAP (Hourly Analysing Programme)**, **Elite –chvac** and **Pipe Flow Expert**

Worked with **Pro-Engineer, wildfire** and **Solidworks 3D-** modelling and **MATLAB** at University.

**CCE**, and **LEED GA** training at **Chicago TCS**, Abu Dhabi

Ability to quick adapt any field related software interface

I successfully completed **CISCO (Switching and Routing)** course at *WINSYS,*

Batticaloa in Nov 2013.

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| Professional Affiliations |

Member of Institution of Engineers, Sri Lanka **(IESL)**

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| Languages |

International English Language Testing System (**IELTS**\_**Academic Module**) – Obtained a band score of **6.5** – Listening: 7.0, Reading: 6.0, Writing: 7.0, Speaking: 5.0 - Examination held on Dec 2006).

International English Language Testing System (**IELTS\_General Training**) – Obtained a band score of **6.5** – Listening: 7.5, Reading: 6.0, Writing: 6.0, Speaking: 6.5 - Examination held on 26th Oct 2013 (Valid up to 26th Oct 2015).

Languages known: English, Hindi, Tamil, Sinhala and Malayalam.

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**Declaration**

I hereby declare the details given above are true and accurate to the best of my knowledge.

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| Annexure 1 |

**HVAC and MEP skill and ability Specification**

HVAC Design, Installation and Maintenance

* Basic knowledge about HVAC SYSTEMS
* Psychrometry
* A/C types, working
* Heat load calculation using E-20 Forms and HAP
* CFM,TR,ADP Calculation
* Heat load calculation using xl software
* DUCT sizing- using VRM & EFM.
* Double line ducting using SMACNA rules
* Diffuser selection
* Sheet metal calculation, preparation of BOQ
* Static pressure calculation,
* Fan selection
* Chill water pipe sizing
* Pump head calculation
* Pump selection
* Drafting shop Drawing preparation
* Chiller sizing and selection
* Installation as per requirements and standards
* Preventive and Predictive maintenance of all HVAC components

**Other Facility Installation**

* Quantifying, installing and testing of all Electrical installation.
* Preventive Maintenance of Electrical installations and DB
* Smoke/Heat detector and MCP zoning, installation and testing
* Determination of water demand by using HUNTER’S method. Sizing and selection of Pump and pipes. And design of water supply system complied with BS codes
* Drainage system layout design with inspection chamber and back flow valve.
* Storm water drainage installation with kerb gully
* Installation of Sprinkler and Zone control valve of wet pipe system , Fire Hydrant, Fire pumps and pipe installation as per NFPA codes
* LPG supply of kitchen- Manifold assembling and pipe layout and testing, system integrated with FAS.
* Irrigation pipe, dripper and pop-up sprinkler system, with irrigation controller
* Familiar with NFPA and AWWA, BS codes and standards for specific installation.
* Excellent communication and coordination with client, contractors and other engineering associates.

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| Annexure 2 |

**Educational Qualification**. B Sc.Engineering (Hons) University of Moratuwa

Subjects learned in four, full-time academic years (2001 – 2004).

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| **Level I** |
| **Semester 1**Applied mechanics-staticProcess EngineeringComputer systemElectrical engineering fundamentalsEngineering MathematicsThermodynamics | **Semester 2**Fluid mechanicsComputer applicationsElectronic engineering fundamentalsMethods of mathematicsApplied mechanics-dynamicsEngineering materials |
| **Level II** |
| **Semester 1**Principles of Visual ProgrammingApplied ElectricityApplied ElectronicsDifferential EquationsCalculusMechanics of Materials-1Manufacturing Materials and material removal processes.Thermodynamics of heat engines and work transfer devices.Engineering Graphics and draftingIndustrial visits | **Semester 2**Linear AlgebraDiscrete MathematicsMechanics of Materials-2Manufacturing ProcessesMotor Vehicle TechnologyMechanics of Machines -1Machine Elements and DesignFluid Dynamics |
| **Level III** |
| **Semester 1**Applied StatisticsNumerical MethodsControl system and instrumentationFluid power system and machineryMechanics of Machines-2Machine Design and ProjectOrganizational ManagementFinancial Management and AccountingIndustrial visits, guest lectures and presentations | **Semester 2**Industrial TrainingI received a fruitful training at **Ceylon Glass Company** (Pvt.) Ltd., for 6 months(Training details provided under work experience)I had submitted a training report at the end of the training period. |
| **Level IV** |
| **Semester 1**Operational ResearchProduction and Operation Management*Mechatronics* System EngineeringEnergy Technology and EnvironmentAerodynamicsAutomotive EngineeringHuman Resource Management | **Semester 2**Industrial EngineeringIndustrial Project ManagementDesign Research ProjectAutomation and RoboticsEnergy ConservationHeat and Mass TransferMarine Engineering and Naval Architecture |