

CURRICULUM VITAE

Applicant No: A/AMWA8 **Status:** Married
Date of Birth: 11 June 1972 **Location:** Singapore
Consultant: Andy Shaw

Summary

He is an Electronic & Software Design Lift Engineer, highly motivated, enthusiastic and currently seeking an opportunity to develop his skills in a challenging and rewarding role. He has an experience in the Hardware & Software Design, Installation & Maintenance of Lift Controllers. He has also been involved in many Modernisation Projects which has enabled him to become a competent & well-rounded Engineer. As a result, he feels he could provide prospective employers an ability and dedication to the job that would be beneficial to both him and them. His brother currently works in London on a Work Visa and this candidate would like to find employment in the UK, he is eligible for a HSMP visa,

Education and Training

1987 - 1989

Sir Syed College Wah Cantt, Pakistan

F. Sc. Pre Engineering

(Equivalent to 'A' Levels) including Mathematics, English, Physics & Chemistry

Further Education

1990 - 1995

University of Engineering & Technology Lahore, Pakistan

BSc Electrical & Electronics Engineering

During this course he had gained a technical knowledge of Feedback Loop Control Circuits, Ana log & Digital Circuit Design & Analysis, Digital + Industrial Electronics, Digital Communications, AC & DC Machines, Principles of Electromagnetic Theory as well as Mathematics. He was also involved in learning & using Various Software Languages such as FORTRAN, Pascal & Assembly.

1999 - 2000

USM, Penang Malaysia

Masters in Information Technology

During this course, he had gained an insight into various Information Technology Courses, System Analysis & Design, Software Engineering, SQL Database, Networks + C Language in detail with a project in C Language.

Computer Literacy

C, Pascal, FORTRAN, Visual Basic, Assembly.

Platform Worked:

UNIX, Linux, Windows.

He is also well conversant with applications such as Word, Excel, PowerPoint, Access (Database) etc.

Key Skills

Ability to communicate effectively with people at all levels which is reflected in excellent presentation and written skills.

Excellent interpersonal skills with the ability to build and maintain good working relationships with colleagues and clients.

Proactive team player willing to assist and motivate others.

Numerate and articulate: he likes to pay attention to detail and has notable organisational skills.

Flexible and adaptive to varying environments.

Capable of working under pressure to deadlines in a hectic environment.

Achievements

Major Projects Undertaken

Airline House (SIA)

This job involved the removal of 21 old AC2 Lifts and Installation & testing of the New VVVF Control automatic Lifts. These include 18 Lifts (4 Group of 4Car Passenger, 2 Duplex Cargo) & 3 Freight Lifts. This involved complete removal of the all wiring in the Hoist way and Car.

Bopolis

This Major Job included 45 Lifts including Machine Room and MRL (Machine Room Less Lifts). This job also involved 8 Car Group Lifts with Immediate Assignment of Hall Calls + ELVIC Software (Visual Software for viewing of Lifts Running & their Performance Analysis)

CCK Condominium

This Job involved the Installation & testing of 28 MRL Lifts with VVVF Control. All the Lifts involved were Machine Room Less using Zeihl Abegg Motors.

Republic Poly

He is involved in Design, Installation, Testing and Maintenance of 69 College Lifts involving VVF Control System. These Lifts include SIMPLEX, DUPLEX, TRIPLEX, GROUP CONTROL & FREIGHT LIFTS.

HDB15th Long Term

He had designed the Software and was involved in the Complete Upgrading of over 500 Lifts up to Full reinstallation and Fire fighting standards. This job involved Duplex, Triplex & Group Control Operations for HDB Works.

HDB1IUP

He had designed the Software and was involved in Complete Upgrading of over 350 Lifts up to Full reinstallation and testing. This job involved Duplex, Triplex & Group Control Operations + Lift Monitoring Software (LMD) for HDB Lifts.

HDB3IUP

He had designed the Software and was involved in Complete Upgrading of over 400 Lifts up to Full reinstallation and Fire fighting standards. This job involved Duplex, Triplex & Group Control Operations + retrospective fitting of safety gear to the counterweight (to comply with EN 81)

HDB4IUP

Complete Upgrading of over 300 Lifts up to Full reinstallation and Fire fighting standards. This job involved Duplex, Triplex & Group Control Operations + Barrier Free Code Implementation for disable people.

Prospective Workload

Upcoming projects that has been allocated to him include the HDB18 Long Term Project for HDB Lifts including more than 400 Lifts involving Design, Testing, and Full Installation & Maintenance. This project involves Serial Communication between Lift Controller & LMD (Lift Monitoring Devices) at 57.6 Kbps + VONIC Messages which can be sent and downloaded at Lift COP for emergency purposes. This project also involves FTA (Fujitec Traffic Analyser) Data Dumping at the HDB Hub for all Lifts and Remote monitoring of the Lifts by a Central Computer System at HDB HUB.

Exposure

The most common type of control system which he has been involved with are VVVF (Variable Voltage, Variable Frequency) Controls but due to the nature of the company business, he is fully conversant with all major types of control including Autinor, AC Gearless Control Systems and Otis.

As part of duties in testing and supervising refurbishments, he has experienced a wide variety of problems involving Frequency control. The most widely used drives has been Zetadyn (Zeihl Abegg) and Mitsubishi.

Modernisation throws up all the problems of adapting modern equipment to outdated lifts. The most challenging aspects of this are the use of modern door operators and landing locks. He has been using DCL-33, DCL-34 & DCL-35 Door operators and locks. Other door gears he is familiar with include PEELLE, Selcom & Sematic.

Additional Languages

English - fluent

Career History

Aug 2001 - Present

Company details on application, Singapore

Senior R & D, Design & Software Lift Engineer

Presently he is working as a Senior Software & Design Lift Engineer responsible for the Hardware & Software Design, Manufacturing, Installation and Testing of various types of Elevators (Private & HDB) for Singapore, Malaysia, Thailand, Philippines, Indonesia, India & Vietnam including very big projects like AIRLINE HOUSE (SIA) --21 Lifts, BIOPLIS (JTC) --45 Lifts, REPUBLIC POLY --69 Lifts, CCK Condominium --28 Lifts, HDB HUB --48 Lifts (Singapore), Putrajaya --35 Lifts (Malaysia), IT Techno Hub --7 Lifts, ICC Pune --21 Lifts (India) and etc. The above include Passenger, Freight, Cargo and MRL (Motor-Room Less) Lifts. He is quite familiar with Duplex, Triplex & Group Control Lift Systems (involving more than 8 Lifts). He is involved in various R & D projects for HDB (Housing & Development Board, Singapore) including one for LMD, a system which can automatically monitor the conditions of the Elevators around the island from a remote computer placed at HDB HUB CENTRE and thus distributing the breakdowns or problems to various Maintenance Centres. His work also includes Designing Software for MRL Machines and their testing.

His current work includes:

To check and feedback design and do the necessary rectification works.

To Design software for the various jobs / projects and for HDB Long Term

To assist installation / maintenance divisions in troubleshooting, installation issues and other works as required at site.

To do the necessary R & D work required for the various contracts and HDB (Housing & Development Board) works.

To evaluate, standardize and revise the drawings required for contract and HDB works

His abilities within the job are reflected in his CV. In addition to his own current workload he is also supervising On-going Testing, Installation & Maintenance.

Projects Undertaken in Current Job:

Bukit Batok Factory

2 Passenger Lifts, 2 Freight Lifts - Fujitec

Soon Hong Seng

2 Passenger Lifts - Fujitec

Grange Residence

15 Passenger Lifts, 3 Groups of 3Car Lifts - Fujitec

Thomson Factory

2 Freight Lifts with PEELLE Doors - Fujitec

HDB HUB

48 (44 Passenger + 4 Freight Lifts) - Fujitec

Eden Gardens

18 Duplex Lifts with Card Reader - Fujitec

Janiton Condominium

5 Groups of Triplex Lifts (Total 15 Lifts) - Fujitec

AMD Factory

2 Passenger + 2 Freight (PEELLE DOOR) Lifts - Fujitec

GEL Condominium

6 Passenger Lifts with Automatic Card Reader System - Fujitec

CCK Condominium

28 MRE Lifts (ALL Machine Room Less) - Fujitec

BOOM BOOM Factory

2 Cargo Lifts (With Front + Rear Doors) - Fujitec

NAFA

14 Passenger Lifts - Fujitec

PSA Factory

20 Passenger Lifts with ELVIC and FTA (16 AC Gear Less) -
Fujitec

The Ansley

6 Passenger Lifts - Fujitec

BIOPOLIS

36 Passengers (1 8 Car Group) + 9 Cargo Lifts - Fujitec

Sivan Temple

1 MRE Lift - Fujitec

EUREKA

20 (16 AC Gear Less + 4 VVVF Control) Lifts - Fujitec

Airline House

21 Upgraded Lifts including Passenger & Cargo - Fujitec

NUS Housing

10 Passenger Lifts - Fujitec

NUH

6 (4 Bed Lifts, 2 Passenger Lifts) - Fujitec

SIA Hanger

2 PEELLE DOOR (Front + Rear Door Lifts) - Fujitec

Geologistics

8 Passenger Lifts - Fujitec

IBM Phase II

6 (2 Groups of 3Car GSO Control) Lifts - Fujitec

ACT Mosque

1 MRE Lift - Fujitec

Alexandra SCDF

6 Passenger Lifts - Fujitec

Seagate Tech

6 Passenger + 3 Freight Lifts - Fujitec

Infineon Factory

4 Passenger + 2 Freight Lifts (1 PEELLE DOOR) Fujitec

Republic Poly

69 Lifts (including Passenger, Cargo & Freight) - Fujitec

Cultural Hub

7 Passenger Lifts - Fujitec
Putrajaya, Malaysia
35 (28 Passenger + 7 Cargo Lifts) - Fujitec
ICC Pune, India
21 Passenger Lifts (Including 3 MRE) - Fujitec
IT Techno Hub, India
7 Passenger Lifts (Including 2 MRE) - Fujitec
National Library
20 (8 AC Gear Less + 12 VVVF Control) Lifts - Fujitec
KLCC
31 Lifts (28 Passenger + 3 Freight with Selcom Control Doors) -
Fujitec

The Standard Design of above Lifts include following items:
Passenger Lifts - ACVVVF with capacity up to 24 persons and
speed up to 180mpm
AC Gear Less with speed up to 420mpm Freight Lifts ACVVVF
with capacity up to 5000kgs and speed up to 60mpm

Aug 2000 - Aug 2001

Prosper Design System Pte Ltd, Singapore

R & D Software & Electronic Design Engineer

In his earlier career, he had worked one year as an R & D Software and an Electronics Design and Test Engineer in Prosper Designs Systems where he was involved in writing and testing software for Electronics Chip Design for Layout, Floor Planning, Routing, Placement and Timing Calculation for the whole chip. He was involved in Designing of Electronic Chip using the Prosper's Innovative Hybrid Masters Methodology. His work as an R & D Software Engineer included writing and testing the code for the Timing Calculation and Verification for the whole Chip which involved complex Algorithms and a very thorough knowledge of the Digital and Circuit Design of the Chip as well as C programming whereas his work as a Design Engineer involved the Testing and Verification of the Whole Chip starting for Layout to the Routing and Timing Verification. For this purpose he had been involved in testing one of the Infineon Latest Chips and also went to Taiwan for testing of Chip.

Oct 1995 - May 1999

Pakistan Ordnance Factories, Wah Cantt, Pakistan

Maintenance & Production Engineer

From Oct 1995 to Sep 1997: he was responsible for the production of the Assembly Shop and meeting the target fixed for these years.

From Oct 1997 to May 1999: he was responsible for Electrical and Electronics maintenance of all NC and CNC machines (having Fanuc and Siemens Controls) in POFs Wah Cantt, Pakistan.

Driving Licence

Full clean driving licence (Singapore + Pakistan)

Interests

In his spare time, he enjoys Swimming, eating out and socialising in general. He is a Cricket fan and follow International Cricket matches progress on a weekly basis. He enjoys watching movies, reading books and listening to good music.