Roji Fernandez

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Career Objective

Looking for a great opportunity to work in a reputed company. As someone with IT/Network experience and with technical background, my objective is to obtain a position which allows me to improve my experience and share a common goal for the progress of the advancing technology.

Work History

Network Engineer/ Manager
Land Trasport Authority
1 Hampshire Road, Singapore 219428
October 19 2017- Present

➢ **WIFI@MRT Wireless SG Project**

Roles and Responsibilities:

- Responsible in the success of implementing Free Public WIFI Network across Singapore's MRT and Bus Stations.
- Responsible in operation and maintenance of Wireless@SG Network Infrastructure, hybrid cloud deployment, AWS and Government Data Centres. Government Cyber Security Incident Reporting and review Cyber Security documents such as IT Security Plan, Cyber Security Design, Risk assessment.
- Ensure in delivering project complaint with relevant Government policies and guidelines.
- Maintain Project Management Office standards, process project life cycle, provide Contract Administration, and project logistic report.

➢ **Fusion Analytics for public Transport Event Response (FASTER) Project**

Roles and Responsibilities:

- LTA Stake Holder Management and Contractor Management for turnkey projects in LTA involving deployment of nationwide IOT (WIFI, Stereoscopic time of flight) and Social Media sensors for Big Data Analytics Platforms on Hybrid cloud Infrastructure with AWS.
- Responsible in calibration for fine tuning of machine learning models using WIFI, Cellular Data, Live CCTV feeds, Farecard Data, Train Signalling Data, Bus Fleet Management System Data and Taxi Information Data.
- Perform Project Network Infra Security Monitoring for Threat Detection and Incident Analysis in Amazon Web Service (AWS) Guard Duty, Detective and Security Hub.

➢ **Command, Control & Communications Systems (C3) Project**

Roles & Responsibilities:

- Manage design and implementation of real time Command, Control & Communications (C3) Systems involving data fusion, data visualization and real time integration with sensors and systems.
- Manage system solutions covering real time software development and large-scale system integration.
- Managing a system development cycle, operational and technical considerations affecting system and infrastructure designs.
- Responsible in Security Audit, approved monthly audit trail report.
- Responsible in reviewing systems and user's account.

✓ **G50 (Singapore Security Clearance) Security Cleared to work on Government Confidential Projects**.

Systems Engineer
Sigma.3 PTE. LTD – Hospitality IT Solutions
No. 33, Ubi Avenue 3, Vertex (Tower A), #08-37 Singapore 408868
October 10, 2011- October 13, 2017

Roles and Responsibilities:
- Responsible in handling Level 2 support for LAN/ WAN and Wireless Network for over 35 MRT Stations, over 50 plus Hotels in Singapore, over 30 plus Mall sites and 150 McDonald site in Singapore.
- Responsible in Configuring Switches such as CISCO, Ruckus, Net gear, and HP.
- Configure Watchguard and Fortinet firewall, and Configuring Access Points like HP Procurve and Ruckus.
- Responsible in Installation and Configuration of Wireless Controller, Router and Core Switches.
- Deploy and support software in Mac, Windows XP, Windows 8, and Windows 10, Office Environment.
- Troubleshoot customer technical issue over Support phone, email, and/ or onsite.
- Responsible in performing multitask job, assisting Helpdesk on Technical issues on-site IT Support Services.

➢ COMPANY ACCHIEVEMENTS/ AWRADS
- Roaming Engineer Highest Closest Tickets in 2011.
- Engineer of the month for the month of December 2012.
- Promoted as Systems Engineer in 2013.
- Certificate of Appreciation Awardee in 2013.
- Engineer Highest Closest Tickets in 2014.
- Certificate of Dedication in 2015.
- Certificate of Appreciation Awardee in 2016

IT TECHNICIAN / CAD Operator
V.O CHUPUICO CONSTRUCTION
Project Designing and Construction (design, estimates, planning, contract works)
Canyon Road, Beverly Hills Cebu City, Philippines 6000
February 15, 2008 – August 8, 2011

Roles and Responsibilities:
- Maintain and troubleshoot of PC software, Hardware issues, Printers, installation, and upgrades, PC assembly and customization, basic router setup for Wired and Wireless Network.
- Assist on OS Windows XP, Windows 7, PC software and hardware installation and troubleshooting.
- Setting up Microsoft office like MS Word, MS Excel, MS PowerPoint.
- Responsible in performing PC cloning, migration, server administration and networking.
- Produced design presentation using AutoCAD and 3ds Max.
- Responsible for the projects including Commercial, Residential and Industrial Projects.
- Calculations of designs of designers and other engineers are checked within the team.
- Responsible for preparing preliminary designs studies.
- Researches done for new project designs as required.
- Done designs to satisfy technical specifications.
- Responsible for prepare engineering designs, drawings, plans, specifications, and cost estimates.

Technical Support Representative
1&1 Internet Web Hosting
Call Centre / Web Hosting Service / IT Enabled

I2 Bldg. Asia town I.T. Park Lahug Cebu City Philippines
March 12, 2007 – January 25, 2008

Roles and Responsibilities:

- Supports technical issues to customers worldwide via phone and email regarding web hosting connectivity.
- Responsible for handling technical support request for domain, email, and server configuration connectivity and troubleshooting.
- Assist on OS Windows XP, Vista installation, PC software and hardware installation and troubleshooting.
- Guide customers on how setup MS Exchange email as well as MS Office like MS Outlook, MS Word, MS Excel and MS PowerPoint.
- Resolves customer issue by providing voice support from basic installation issues to technical troubleshooting.
- Prepare individual documentation process and procedures done in assisting customers.

BARISTA, IT and Network Support Technician
Coffee Centrale The Bean Company Inc.
BO'S COFFEE Shop
RE Benitez Bldg., 357 F. Ramos St., Cebu City
June 19, 2003 – December 08, 2006

Roles and Responsibilities:

- Provides support of IT hardware, software, and networks.
- Trouble shooting, administration and support of Windows 2000 and Windows XP Server.
- Optimum trouble shooting and problem-solving abilities developed.
- Greeted customers and took orders, prepared sandwiches, cakes and pastries, restocked store shelves with Coffee supply items, various gifts.
- Prepared excellent coffee drinks, served food items and desserts, maintained front counter.
- Assisted in inventory management and employee training, maintained espresso brewing equipment

Technical Skills/ Abilities

- ➢ Deployment and maintenance of 300+ switches (Netgear, Cisco), 150+ routers (Cisco), 50+ firewalls (Watchguard, Fortigate 900D), Wireless APs (Ruckus & Cisco), Wireless Controllers (Ruckus & Cisco)
- ➢ Strong knowledge and experience in implementing STP, HSRP, VRRP, OSPF, BGP
- ➢ Skilled in deploying MPLS L2VPN and L3VPN in ISP network
- ➢ Skilled in deploying IP transport network for wireless services (2G, 3G, LTE) and wireline services (OLT, GPON, H248)
- ➢ Install, Configure and Manage Web Servers (Apache, IIS), Application Servers, Database Servers (MySQL, MSSQL)
- ➢ Install, Configure and Manage Operating Systems such as, Windows Server 2012, Windows 10, Redhat Linux, CentOS and Ubuntu
- ➢ Monitoring Server Infrastructure, Network Equipment, IT Systems using Netgain, Science Logic, Grafana and Nagios
- ➢ Setup and Virtualization of Windows and Linux Servers using VMware
- ➢ Server Backup and Recovery using Veritas Netbackup and EMC Avamar.
- ➢ IPS/IDS (Cisco, McAfee), WAF (F5, Barracuda, Kemp LM-4000), Load Balancer F5

- Security Information and Event Management using QRadar, Splunk and Timely Application of Security Patches on Development, UAT and Production Systems
- PCI-DSS IT System Security Hardening based on CIS/ISO/SANS/NIST, Endpoint Detection and Response with Symantec
- Data Engineering and warehousing with Hadoop, Mapreduce, Apache Spark, Kafka
- Sound knowledge and experience in implementation and operation of AWS cloud services (ECS, EC2 with autoscaling, Lambda, RDS, Route53, VPC, ELB, S3)

Educational Training

WORLDTECH Training and Consultancy

- **Interconnecting CISCO Networking Devices Part 2 (ICND2)**
  - Implementing Scalable Medium-Sized Networks
  - Troubleshooting Basic Connectivity
  - Implementing a Scalable Multipara Network OSPF-Based solution
  - Wide Area Networks
  - Network Device Management
  - ICND2 Laboratory IECEP

TESDA TRAINING CENTER

- **COMPUTER TECHNICIAN**
  - Computer Troubleshooting and repair
  - Computer Networking and Administration
  - Operating System and Software Installation

Education

Bachelor of Science in Computer Engineer
Highest Education Attainment

University Name	Cebu Institute of Technology University
Course	College Graduate
Address	Tres de Abril Street N. Bacalso Avenue Cebu City Philippines
Graduated	March 2005

Secondary	Cebu Institute of Technology University
Course	High School Graduate
Address	Tres de Abril Street N. Bacalso Avenue Cebu City Philippines
Graduated	March 1996