# CURRICULUM VITAE

## UDARA PATHIRAGE

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## PERSONAL DETAILS

**Full Name**: Udara Madushan Pathirage (Udara Pathirage)

**Address**: No 34/1, Athura, Bulathsinhala (12300). SRI LANKA

**Date of Birth:** 21$^{st}$ October 1986

**Gender:** Male

**Nationality:** Sri Lankan (Married)

**Phone:** +94718110497 (Viber), +94776021042

**Skype**: udara1986

**Email:** udara86@gmail.com

**LinkedIn:** https://www.linkedin.com/in/udara-pathirage-mbcs-citp-1403a019/

**PROFILE:** To use Skills of IT and managerial with the applicability of actual situation without supervision and also with the ability to supervise the tasks by providing necessary guidance. Able to work on own initiative or as part of a team and can deal with administrative duties competently.

**OBJECTIVE:** I would like to migrate New Zealand over Skill Migrant Category Residence Visa.

Looking for full-time working job offer either as: System Analyst/ Systems Administrator/ Software Architect/ ICT Business Analyst/ Business Systems Analyst/ Business Consultant (ICT)/ BA (ICT)/ Systems manager or Software Designer.

## HIGHLIGHTS

- Chartered IT Professional (CITP), British Computer Society.
- Enough educational qualifications, Master of Information Technology (NZQF 9)
- 10+ years in IT, 8+ years of experience in multiple software development projects in SL Army.
- Currently, I am heading the development & the implementation of "Sri Lanka Army Hospital Management System" which has interconnected four (04) hospital, Carry out all professional tasks in the means of Business Analyst, Project Manager, Solution Architect, System Developer, Security Analyst, Network Administrator, Database administrator.
- Sound knowledge on different Software Development Methodologies (Agile, Scrum & Waterfall)
- Overall practical experiences in Networking, Server Mgmt, Policy Designing, Security Planning, Disaster recovery methodologies, Risk assessments & Server virtualization (VMWare, Hyper-V)
- Disciplined and skillful team player.

## PERSONAL SKILLS

### General skills:

- High capacitive and take correct decisions & work under pressure
- Good interpersonal skills & good communicational skills in English (Listen, Read, Write, Speak) need in a multi-national working environment
- Analytical thinking and Problem-solving skills
- Business communicational skills
- Stress managing skills for multi-tasking capability
- Positive attitudes and the motivation
- Ability to work independently and within groups. (Team Player)
- Driving & swimming

### Skills in Software Project Management:

- Agile Scrum practices with the knowledge of SDLC.
- Apply DevOps practices to manage frequently changing customers.
- Presentations, Report writing skills for an internal & external audience
- Project schedule & the resources planning
- Task-oriented leadership & flexible people managing
- Document development (SRS, Reports, Risk Assessments, Developer's reports, etc)
- Tools experience (MS Project, Visio, Smart Draw, Mock-up Design & etc)
- CASE Diagramming (Use case, Gantt charts, Interface Mock-ups, Class, Activity)
- Easy customer handling through effective communication
- Project management skills

### Technical skills

- Software Application development
  - Talk with the customer and playing System Analysts & Solutions Architect role at the requirement gathering stage.
  - Secure coding practices. *(Reading for CSSLP)*
  - Experience in using GIT/SVN as version control.
  - Working knowledge of SOAP & web services.
  - Develop web-based systems specialized in PHP, MySQL, Ajax, JavaScript, JQuery, HTML, CSS, DOM Executions.
  - Websites development using Joomla, WordPress, Opencart.
- Cloud experiences
  - Amazon Lightsail & EC2 for web-based system deployment. (Linux App & DB server configuration)

- o Load balancing and data synchronization among different other cloud environments such as Google Drive & OneDrive.
  - o Knowledge on other AWS Resources and Services.
- Advance database handling techniques (Create, Index, Optimize, Synchronize & migrations of databases) in MySQL, Access, MS SQL.
- Networking
  - o Planning & design networks. (LAN, WAN)
  - o Experience in implanting security aspects in the network.
  - o Domain controller management. (Windows Server 2012)
  - o Group policy management (win server 2012)
  - o Firewall rule implementation
  - o Setup new LANs & troubleshoot network connectivity issues
  - o UTP & STP cabling.
  - o Experiences in network monitoring and controlling using Firewall and GFI Web Monitoring tool.
- Server Management
  - o Virtualization experiences in VMWare and Hyper-V.
  - o Create/manage VMs in VMWare and reading VMWare logs for troubleshooting.
  - o Install & manage Linux (Ubuntu) & Windows servers.
  - o Knowledge on Domain management (Windows Server 2012)
  - o Linux & Windows server administration
  - o File server mgmt. (Windows Server 2012)
  - o Log rotations and data synchronizations
  - o Read and understand VMWare event logs.
- Hardware
  - o Desktop & Laptop repairing through the part replacements. *(Not printers)*
  - o Windows OS & driver installation (any)
  - o Software installations and configurations on both Linux (any) or Windows (any) Operating systems.

# EMPLOYMENT BACKGROUND

## Role: Senior Software Engineer (SSE), Directorate of Information Technology, Sri Lanka Army.

- Working as a System Analyst (SSE) in Directorate of Information Technology, Sri Lanka Army in the rank of Major from 2010 to now.

**Project 1.1 – Head of development & implementation of "SRI LANKA ARMY HOSPITAL INFORMATION SYSTEM from Nov 2011 to present. (More than 7+ years.)**

*A brief project description.*

Presently engaging in several in-house software development projects as System Analyst, but heading the development and the implementation of "Army Hospital Information System" from requirement gathering stage, developing to the implementation stage along.

Scope of this project is to computerize the patient based medical information and share them among all army hospitals likewise support medical staff to take correct & quick decisions at the point of patient care. The project has assigned to me as a single project on Nov 2011. Along with that 7+ years' experience in project development to implementation. I play many IT roles in order to develop & implement the module by module.

### *Project Roles:*

- o Project Manager
  - System thinking and Prioritizing the tasks. With that I personally involving in Attitude Change activities / Identification of critical modules/ Creating deadlines for the tasks, Plan & schedule system next module.
- o Systems Analyst or Business Analyst
  - Analyze requirements & propose a feasible technical solution to address the user requirement considering the constraints
- o System Designer
  - Design Architectures, Data processes, databases, interface mock-ups, USECASE & diagrams (Class, Activity, Schedule & etc)
- o System Developer
  - I do modular based system development. The system is developing using PHP & MySQL. Apart from that CSS. HTML, JavaScript's, JQuery plugins & other 3rd party modules have used. In Application, I adhere to Secure Coding standards for input validations.
- o Database Administrator
  - Planning & designing of database architecture to attain user requirements. Query design and Optimizing for fast performance.
  - Plan and execute disaster recoveries through real-time Master-Slave data synchronization.
- o Network Administrator
  - Plan and set up networks.
  - Network monitoring and controlling using Firewalls and other open source methods.
  - Efficient use of network through regular monitoring
- o Policymaker
  - Define rules and policies to manage the day to day issues at the system development stage as well as the implementation stage.
- o QA Engineer
  - Conduct all kind of testing techniques to gain a quality product.
- o Server administrator
  - VM Management & event log monitoring in VMWare virtualized environment.
  - Deploy & configure new VMs (Linux/Windows) as needed.
  - Linux & Windows OS Hardening.
  - Setup Domain controller and create domain users.
  - Assign different Group Policies to the different roles
  - Managing backups & snapshots of the VM
- o System Administrator
  - Do system maintenances and take all actions to run the system smoothly.

**Other Projects involved;**

| Project | Employer | Position | Start | Ends | IT Related Task/Projects |
|---|---|---|---|---|---|
| 1.2 | Directorate of IT, Sri Lanka Army | Solution Architect / System Analyst, System Designer, Project Manager | July/2018 | Present | Army Medical Procurement Services, 'Centralized Stock Mgmt System'. |
| 1.3 | Directorate of IT, Sri Lanka Army | Solution Architect / System Analyst, System Designer, Project Manager | Jun/2018 | Dec/2018 | "Online Shopping Facility for SL Army Welfare shops" project of Dte of Welfare. |
| 1.4 | Directorate of IT, Sri Lanka Army | Solution Architect, System Developer | June/2016 | Mar/2018 | "Healthy Army Healthy Nation" programme data collection system |
| 1.5 | Directorate of IT, Sri Lanka Army | Solution Architect, Project Developer | June/2016 | Mar/2018 | "SL Army Data Encryption & Decryption Module" |
| **2.1** | HealthCare.LK (http://healthcare.lk) | Solutions Architect, System Developer | June /2017 | Present | Product architecting & development. |
| **3.1** | National Intensive Care Surveillance (https://nicslk.com/) | Off-Site IT & Research Support Engineer. System Consultant, System Analyst, Solutions Architect, REDCAP System Administrator | Jan/2015 | May/2016 | 1. REDCAP customization for the data collection. 2. Data analysis using SPSS. 3. Complete data flow management. 4. Data reporting using Tableau Public. 5. IT Consultancy on future needs. |
| **4.1** | UmP Web Solutions (http://umpwebsolutions.com) | Founder, Senior Administrator, Web developer | June/2008 | Sep/2010 | 1. Websites and web-based systems development. 2. Define & implement Online Business Marketing strategies |
| **5.1** | University of Kelaniya | Web Developer | June/2007 | Sep/2010 | Plan, Design, and Implementation of degree website for "BSc in Environmental Conservation & Mgmt". [www.encmuok.com] |
| **6.1** | Sri Lankan Association for Fisheries and Aquatic | Web Administrator | Aug/2009 | Dec/2009 | Web site administration. www.slafar.org |

## Education

- Completed Master of Information Technology (MIT) [English medium], UCSC, the University of Colombo with a Distinction pass effect from 15 June 2015.
- Successfully completed B.Sc. degree in Environmental Conservation & Management (English medium), University of Kelaniya-2005/2006 batch.
- Successfully completed the Diploma in System Design & Analysis [English medium], at National Institute of Business Management. (NIBM)
- G.C.E Advanced Level 2006 from Taxila Central Collage, HORANA 2006
    - Biology - A, Physics – C, Chemistry – C, General English - S

## Achievements

- Charted IT Profession (CITP) status from the British Computer Society
- Member of British Computer Society
- SNOMED CT Certification from SNOMED CT International 2018
- External Project Supervisor of the University of Moratuwa.
- Lifetime member of the Computer Society of Sri Lanka (CSSL)
- Member of Health Informatics Society of Sri Lanka (HISSL)
- Par-Excellency course conducted by the SL ARMY
- Advance Linux Server Administration certification from Sri Lanka Institute of Information Technology 2018, Sri Lanka.
- Certificate III in Business Administration from National Institute of Business Management 2008

## Interests

- Working in a work-life balance environment
- Visit places
- Browse the internet for new findings.
- Research & Development of new concepts & technologies.

*Referees are available on request.*

I do hereby certify that the above mentioned details are true and accurate to the best of my knowledge.

Thank you.
Yours faithfully,
Udara Pathirage.
Date: 20th Feb 2019.