

# Curriculum Vitae

## Dayal Cooray

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Having over 20 years IT industry experience including Software Development and IT Operations, my objective is to serve IT industry while enhancing my career. My knowledge, experience and interest are mainly on Project Management, Cloud Computing, and IT operations. I have a good understanding on Agile Software Development and DevOps practices. I am a Certified Scrum Master and I have completed ITIL foundation certification. I hold an MBA Degree from Cardiff Metropolitan University UK.

## Professional Experience

[Senior Technical Specialist, Patch Management – Wiley \(April 2020 to date\)](#)

### Responsibilities -

- Drive server patch management process by coordinating among infrastructure teams (Windows, UNIX, Network, and DB), Security team, IT Service Management teams and Software Project teams across the globe to apply security patches monthly/quarterly on servers in Cloud and Datacenters.
- Guide, train and overlook Windows and Linux infrastructure teams on server patching process and automated workflows.
- Process owner of server patch management process at Wiley and responsible for process implementation and improvements.
- Implement patch management tools in coordination with tool vendors and work hands-on for tool customization and automated patch management workflows.
- Define and implement a fully automated centralized patch management architecture for servers across multiple accounts on Cloud (AWS), work with Architects to refine the solution and implement among all accounts on Cloud. This includes automated email alerts to server owners and automated change management workflows. (Tech Stack – AWS SSM, Lambda, Athena, Glue, SES, S3, SNS, EventBridge, Python, GitHub, Terraform, Shell Scripts, YAML)
- Report server/workstation patch compliance on monthly basis to executives.
- Integrate patch management tools with other tools such as ServiceNow, JSM to streamline operations.

### Technologies

- RHEL, Ubuntu, Shell Scripting, AWS SSM, EC2, Lambda, API Gateway

[Manager, Application Solution Engineering / Automation Team - Pearson \(April 2016 to March 2020\)](#)

## **Responsibilities**

- Overall performance of the team in meeting project deliverables. Manage staff across multiple projects. Eg. Implementation of AWS SSM for server lifecycle management of more than 10,000 servers on traditional datacenters.
- Initiate and drive projects on effort saving, cost saving or operational improvements through automation, orchestration, or introduction of different technologies.
- Work closely with engineers to develop or improve CI\CD pipeline of Pearson Applications on Cloud and Datacenter Environments.
- Accountable for meeting SLAs, OLAs of Production changes, incident resolution adhering to change management practices and relevant internal processes.
- Own the execution and accountable for process compliance of server application patching based on CISO recommendations.

## **Technologies**

- AWS SSM, ELB, EC2, S3, Lambda, API Gateway
- Ansible, RHEL, Windows

## [Lead / Associate Lead - Cloud Services, Application Engineering/DevOps - Pearson \(April 2013 – March 2016\)](#)

### **Responsibilities -**

- Work on CI/CD requirements and DevOps initiatives on Cloud and Datacenter Environments.
- Work closely with other teams such as Tier1, Tier2, OS, DB, Network and Security.
- Identify and fix the application performance/stability related issues.
- Manage incident queue & NFR pipeline while meeting the SLAs and OLAs.
- Help management to drive the business initiatives and lead technical planning discussions.
- Engage and provide technical assistance to project teams when necessary. (Eg: major incidents, NFR.)

### **Technologies -**

- AWS
- Docker
- Different flavors of Windows and Linux OS
- MS SQL and MySQL
- Jenkins, Ansible
- Middleware - Apache Tomcat, MS IIS, Fiorano Message Queue, Rabbit MQ, MSMQ

## [Senior System Integration Engineer, Cloud Services, Application Engineering/ DevOps - Pearson \(March 2011 – April 2013\)](#) **Responsibilities -**

- Experience with implementation of automation and CD using tools such as Jenkins, Puppet.
- Work with cloud technologies (EC2, ELB, ACL, Security Groups).

- Work with Network, Security and System engineering teams on OS configurations, Network and LoadBalancer (F5) configurations Etc.
- Administration and configuring web servers such as Apache HTTP web server, Microsoft IIS.
- Programming and scripting knowledge on technologies such as MS.Net, Powershell and Python.
- Understanding of storage, operating systems, networking, virtualization, and internet security.
- Experience with monitoring tools such as Nagios, ActiveXperts.
- Experience integrating with centralized logging solutions such as syslog-ng.
- Participate to the weekend OnCall rotation.

#### [Release Engineer, Software Development Services - Pearson \(July 2009 – March 2011\)](#)

##### **Responsibilities -**

- Build product releases and deploy internally for integration testing.
- Be responsible to maintain product releases and packages in the source control repository (Perforce) for Production and Staging environments.
- Build / Manage virtual servers using VMWare in datacenters, setup virtual network infrastructure for the use of project teams.
- Build and manage integration test environments, deploy releases, maintain the environments.
- Attend, troubleshoot and resolve issues in integration test environments.

##### **Technologies -**

- MS Windows Server, Linux, MS IIS Web Server, MSMQ, MS Active Directory and ADAM, Perforce, Python, VB Scripts, Classic ASP, Java Scripts, VB 6.0., VMWare.

#### [Implementation Engineer, i-Context Private Limited \(July 2008 – June 2009\)](#)

##### **Responsibilities -**

- Publish product releases/builds internally and for external customers.
- Track and co-ordinate releases/builds across the Development, QA and Production Servers.
- Participate in the definition and improvement of release management process and procedures.
- Provide professional services associated with product deployment/customization for client needs.

##### **Technologies -**

- Visual Studio.net 2005, Visual Studio.net 2003, ASP.NET, C#.NET, AJAX, JavaScript, Crystal Reports 11, WSE 2, WSE 3, Windows 2003 Server, SQL Server 2000, IIS 6.0, Load Balancing for Web Applications using Windows 2003 NLB Clusters.

#### [System Administrator - Sri Lanka Freight Forwarding Association Cargo Services Ltd \(July 2006 – June 2008\)](#)

##### **Responsibilities -**

- Ensure 24 x 365 Up-Time of the Warehouse Management System

- Maintain and further develop the information system
- Control Access to Internet / Data / Information and Train / Assist users on ICT related matters

#### **Tools/Technologies -**

- Windows 2003 Server, SQL Server 2000, ISA Server 2004, Windows XP, ASP.NET 2003, Crystal Reports 8.0, Windows scripting [VBScripts], SQL Server DTS, SQL Server Replication

#### **Key Achievements -**

Successfully coordinated the development and implementation of the new Warehouse Management System which replaced the existing legacy system that had been in use since year 1998. Implementation of Infrastructure [Active Directory, DNS, DHCP, Remote Access, Network Security.

#### [Programmer - Ceylinco IT Solutions Pvt. Ltd \(January 2006 – July 2006\)](#)

#### **Responsibilities -**

Maintenance and further Development of the following software products

- Ready Pass – (Savings Account System), Ready GL – (General Ledger System), Ready SMS – (School Management System)

**Tools/Technologies -** SQL Server 2000, VB 6.0, Crystal Reports 8.0

#### [Education - Tertiary Education](#)

- Master of Business Administration (MBA), Cardiff Metropolitan University, UK – Year of Graduation - 2015
- Bachelor of Information Technology, School of Computing, University of Colombo (BIT External Degree).

#### [Secondary Education](#)

Harischandra National College, Negombo.

G. C. E A/L (year 2000) - Physics -B, Applied Math -B, Pure Math -C, Chemistry -. G. G. C. E O/L (year 1996)

#### [Extra-Curricular Activities](#)

- Deputy Head Prefect – Harishchandra Maha Vidyalaya, Negombo during the term (1998/1999)
- President of Statistics and Computer Science Students' Association, University of Kelaniya.
- Information Systems Manager, AIESEC in Sri Lanka during the term (2005/2006). I was a member of AIESEC in Sri Lanka from year 2003 to 2006 and have held different positions during this period. (AIESEC is the world's largest student run organization)
- International Conferences Participated - Asia Pacific Exchange Leadership Development Seminar 2004 in Singapore.

#### [Interests / Hobbies](#)

Travelling, Cycling, Off Road Driving

## Referees

Mr. Sean Timmins,  
Infrastructure Architect, John Wiley  
and Sons  
Chichester, England, United Kingdom.  
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Mr. T. Chandima Sumanathunga  
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