

Nayanapradeep I. Ratnayake

Systems Engineer | Developer

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A team player with experience in application development, developing technical solutions to business problems, analyzing and documenting requirements and process improvement efforts at various, cross-functional environments. A quick learner with the ability to balance changing priorities and deliver timely results.

SKILLS

System Design (OOP, SDLC, RAD, Agile/ SCRUM)

CMS (WordPress, Joomla)

Project Management Tools (JIRA, Podio, MS Project)

Programming/ Scripting Languages (C#, JAVA, PYTHON, PHP, HTML, XML)

Desktop, Web and Mobile (Android) App Development

Database Design and Implementation Concepts (ER Diagrams, Normalization)

Databases (MS SQL, MS Access, MySQL, SQLite)

EXPERIENCE

2017 to Present

Systems Engineer at Viv Corporation, USA

- Design, develop and maintain corporate proprietary software and company websites.
- Configure and manage company emails and servers which includes Office 365 for business, Exchange online, SharePoint and web hosting servers.
- Organize and manage company documents and files using SharePoint.
- Design and develop system requirements, databases and applications for all technology projects undertaken by Viv Corporation which include both front-end and back-end developments using PHP, C#, Python, JavaScript, APIs (Podio API, YouTube API) and cloud computing platforms (Azure and Google Cloud).
- Collaborate and communicate with teams in Sri Lanka to make sure that results are delivered in a timely manner.
- Developed and managed a portfolio of web portals using JIRA to track and collaborate on development projects.
- Designed and implemented an automated sales proposal system using PHP, JavaScript, Podio API and PHP Excel libraries.
- Developed an eCommerce web application for creating memorial profiles using PHP, AngularJs, YouTube API and with PayPal integration.

2010 to 2015

Executive- Systems Engineering at Sri Lanka Cricket

- Developed and implemented a ticket reservation and issuing system using C# and it was used at the ICC (International Cricket Council) Secretariat, Sri Lanka during the ICC World Cup 2011.
- Managed, configured and monitored the networks which included DHCP server, Finance servers running ERP systems, Google Apps, DNS filtering, Layer 2 and 3 equipment (Routers, Switches) etc.
- Managed the project of transitioning from the in-house email system which was running Microsoft Exchange Server to Google Apps.
- Designed artwork and layouts for advertisements, magazines, annual reports, handbooks, souvenirs etc.
- Managed and maintained the Sri Lanka Cricket website (www.srilankacricket.lk).

2012 to 2012

Manager IT at ICC World T20 2012 Secretariat, Sri Lanka

- Managed the expansion of existing networks by shifting to fiber optics in one of the international cricket stadia in the country to meet the requirements of the ICC and the international/ local media broadcasters during the ICC World Twenty20 2012.

2009 to 2010

Trainee Developer at Asian Chill Equipment (Pvt) Ltd., Sri Lanka

- Developed and implemented a Production Planning and Monitoring System using Excel and VBA.
- Developed and implemented a Material Purchasing System.
- Developed and implemented a Stock Control System.
- Networked the stores, administration office and the R&D unit to streamline the operations which improved the productivity.

VOLUNTEER PROJECTS

I have worked on several projects as a volunteer during my free time.

- Developed a counter/ clicker app for Washington State University Tree Fruit Research & Extension Center. App was developed for Android devices and have features to: Track Geo-location, Create user preferences, Create and share templates, Create any number of custom labels, View live data using OpenStreetMap, Export/ Share data as Excel files, Track app crashes and errors using Fabric.
- Developed a [mobile app](#) as part of a project to provide information to growers about pesticides. The project was a joint effort by the University of Washington and the Washington State University. [App](#) was developed using Ionic framework to support both Android and iOS devices.
- Created animated videos for illustrating [Orchard Bio-renovation](#) and to show the [importance of plant pathogens](#) for the Washington State University. Videos were created using Adobe After Effects.
- Helped setup and configure IT equipment for a project conducted by the Community Foundation of North Central Washington and Wenatchee Museum to improve youth experience.
- Helped setup new computers and configure them at IRIS (Initiative for Rural Innovation & Stewardship) Office, Wenatchee, WA.

ACADEMIC PROJECTS

- Analysis and development of [Cricket Player Management and Performance Analysis System](#) for Coaches and Trainers at Sri Lanka Cricket (MSc thesis). The system was developed using C#.
- Developed an e-commerce site using Joomla with PayPal integrated to sell match tickets for Sri Lanka Cricket (MSc project)
- Produced a [documentary video](#) about an ancient temple in Sri Lanka with a historical value as the final assignment in Multimedia Technology (MSc Assignment) and won a certificate of appreciation for the video at the e-Swabhimani National Best e-Content Awards 2014 organized by the ICTA (Information and Communication Technology Agency of Sri Lanka) and the Ministry of Telecommunication & Information Technology in Sri Lanka
- Designed and implemented a [Travels Guide Application](#) to find the shortest path using Heuristic algorithms with Microsoft Visual C# 2008 - WPF and Microsoft Expression Blend (BSc final year project)
- Designed and implemented a Library Management System using C# and Microsoft SQL Server 2005 (BSc project)
- Designed and Implemented a [Sales Processing and Distribution System](#) using C#, Crystal Reports 9 and Microsoft Access Database (Higher Diploma final project)
- Designed and developed a [PCB \(Printed Circuit Board\) Driller](#) application to automatically find the drilling holes, diameters and the optimized path to start drilling. (Higher Diploma project)
- Designed and Implemented of a Motor Vehicle Insurance System using C# and Microsoft SQL Server 2005 Express Edition (Higher Diploma project)
- Analysis and design of an Inventory Control System (Diploma final project)

EDUCATION

- MSc in Information Technology (MIT) - University of Colombo, Sri Lanka. (2012-2015)
- BSc in Management Information Systems - University College Dublin, Ireland. (2008-2010)
- Higher Diploma in Computer based Information Systems - National Institute of Business Management, Sri Lanka. (2007-2008)
- Diploma in Computer System Design - National Institute of Business Management. (2006-2007)
- Training course in Molecular Biological Techniques - Institute of Biochemistry Molecular Biology and Biotechnology, University of Colombo, Sri Lanka. (2014)

OTHER INTERESTS

