

VIJAY HAMAL

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PROFESSIONAL PROFILE

I am an IT Professional currently working as an Application Developer and Database Administrator at Sonic Healthcare, one of the largest organizations in Australia. I am a self-learner and self-motivated person. I have strong technical and analytical skills along with knowledge of various application and programming packages. I have passion for creating end user interfaces and bringing life to data. I have been working to create professional web and desktop-based applications and work on my own free time to explore new updates and technologies. I look forward to applying the skills and expertise I gained at university, self-learning and professional experience.

IT SKILL MATRIX

<i>Skill</i>	<i>Level</i>	<i>Last Used</i>
JAVA, PYTHON	Excellent	Current
SQL Server, MySQL, T-SQL	Excellent	Current
PHP, HTML, JavaScript, jQuery, CSS, AJAX, Bootstrap	Excellent	Current
.NET, C#, Angular	Intermediate	Current
VBA	Intermediate	Current
PowerBI, Crystal Report, SharePoint, SSRS	Intermediate	Current

EDUCATION

Research

Sep 2019 – Ongoing

Central Queensland University, Sydney

Data Analytics – ANALYSIS OF WEBSITE USAGE STATISTICS TO ASSESS ENGAGEMENT WITH AND EFFECTIVENESS OF A COMPUTER-TAILORED PHYSICAL ACTIVITY INTERVENTION IN A 3-GROUP RCT.

Masters of Information Technology

Nov 2015-Jul 2017

Charles Sturt University, Sydney

Key Achievements: Academic Excellence Award with High Distinction

Area of Study: Database Systems (RDBMS), SDLC, Web Development, Project Management, System Analysis, Interface Usability, Programming Languages (Python, JAVA), HTML and CSS, JavaScript

PROFESSIONAL EXPERIENCE

Application Developer and DBA (>3 years)

Nov 2017-Current

Sonic Healthcare-Douglass Hanly Moir Pathology

Macquarie Park, Sydney

Roles:

Application Developer: - Desktop application : JAVA & PYTHON

- Full Stack Web Application: PHP, AJAX, JQUERY, JAVASCRIPT, HTML, CSS, BOOTSTRAP, .NET, C#, Angular, Rest API

SQL Developer & DBA: -SQL Server, MySQL, T-SQL, SSRS, SSMS, ETL, PowerBI, Crystal Report, Tableau, MS-EXCEL, Pivot Tables, Power Query, VBA

Tasks:

- Create end-user applications including APIs.
- Manage data flow and storage
- Design SQL database and implement TSQL for task automation
- Create real-time reporting and dashboard packages
- Create automated Visual Basic codes for Excel automation
- Create SharePoint workflow (Nintex), maintain and update company's internet and intranet sites

Application Development Projects handled:

- Incident Management System
 - o Web platform
 - Function: Handles the incidents logged in Apollo system. It handles API calls to internal imaging system to convert into list of live episode images.
 - Language: Newest Version is based on Angular with Rest API. Previous version was based on PHP, AJAX
 - o Desktop platform
 - Function: Handles the incidents logged in Apollo system. It handles API calls to internal imaging system to convert into list of live episode images and displayed as image-viewer within the system.
 - Additional function : Provides reporting function to Quality team for creating own specific formatted reports.
 - Language: JAVA - JAVA FX
- CST Audit web application
 - o Web platform
 - Function: Handles CST Audit data for CRUD operation of registration database.
 - Language : PHP, AJAX (converting this into a .Net framework is a work in progress)
- Appointment Generator
 - o Web platform
 - Function : takes user inputs to generate slots for appointment system which needs to be fed into SharePoint Appointment Calendar
 - Language : PHP, JavaScript
- Mailroom Documentation System
 - o Web platform
 - Function : Manages number of stocks inside Sonic Mailroom
 - Language : PHP, AJAX
- Visual Basic projects
 - o Excel VBA platform
 - Function: Handles individual department's requirements, especially with automated lookups, file data transfer and auto formatting.
 - Language : VBA
- TSQL
 - o SQL Server Stored Procedures and Functions
 - Developed numerous stored procedures, scalar valued and table valued functions within SQL server to facilitate automation while running application systems like IMS, CST Audit and Mailroom Documentation System.

- Sonic Booking System (in progress)
 - o Web Platform
 - This project is in progress and I have been liaising with Umbraco team to get more insights on the way API calls are handled. This project is believed to bring all contacts and locations to a single database. This is a work in progress.

Summary:

- Review and interpret project specifications and technical designs, communicating enquiries to the application development and deployment team
- Write programming code to develop, maintain and update applications for internal use via various programming platforms
- Develop and implement functional improvements and maintain structure, security, workflows and forms on company's intranet
- Research, evaluate and determine resources for end-use application need, while developing applications
- Research and analyse existing software and applications used within the company, identifying deficiencies in the existing system and developing applications to resolve those deficiencies
- Develop and design SQL databases for applications and acting as T-SQL programmer
- Regularly update and maintain company websites
- Continuously test, debug and upgrade existing applications and program for better user experience and to meeting the organization's needs
- Create end-user manuals, program documentation, operational documentation, change documentation and training documentation

Lecturer and Administrative Officer (2 years)

Aug 2012-Feb 2013

***Little Buddha College of Health Science
Kathmandu, Nepal***

- Lectured 300+ students of diploma in pharmacy and bachelor in pharmacy courses
- Designed and developed digital data retrieval system for exam result processing using MS-EXCEL & Visual Basic Tool
- Instructed 300+ students in practical laboratory and supervised students during their projects regarding use of statistical and analytical tools
- Contributed to strategic planning for college administration

OTHER EMPLOYMENT HISTORY

Customer Service Representative (2 years)

Nov 2015-Oct 2017

***Romeo's Supa IGA
St Ives, Sydney***

- Maintained customer relationship with 1000+ customers each day.
- Ensured quality and integrity in products available daily
- Organised and managed stock is rotation every hour.

KEY COMPETENCIES

- Programming
Java, Python, C#, .Net
- Database Skills
SQL (T-SQL, including query handling, data warehouse maintenance, database normalization, scripts and security, backup and recovery), Server maintenance, EXCEL and VB coding, MS-Access
- Web tools
HTML and CSS, PHP, JavaScript, jQuery, AJAX, Angular, Bootstrap, Flash, SharePoint
- Ability to work in a team
Worked within a team of three during a group project at University of Tasmania on E. coli virulence. Received High Distinction grade in the project.

PROFESSIONAL DEVELOPMENT

Professional Year Program

Aug 2017-Jul 2018

Performance Education, Sydney

Area of Study: Australian Working Skills, Australian Business Culture, Achieving Career Success, Professional Business Communication

PROFESSIONAL MEMBERSHIP

Australian Computer Society

REFEREES

Julian Scurr – Database Manager

0298555004