

RONNIE KOSHY

3173 Muir Field Road #117, Madison, Wisconsin, USA - 53719
Mob: +1-515-450-7655 ~ Email: ronniekoshy@gmail.com
Portfolio: <http://www.ronniekoshy.com/experience#portfolio>

OBJECTIVE

To seek a full-time position in the area of software design, security or IT in your esteemed organization

EDUCATION

MASTER OF SCIENCE (MS), COMPUTER SCIENCE (Aug 2007 – Aug 2009)
Iowa State University (ISU) - Ames, Iowa, USA
CGPA: 3.7/4

BACHELOR OF ENGINEERING (HONS), COMPUTER SCIENCE (Sept 2003 – May 2007)
Birla Institute of Technology and Science (BITS) Pilani – Dubai campus
CGPA: 8.91/10

EXPERIENCE

EPIC SYSTEMS CORPORATION - Madison, Wisconsin, USA
Position: *R&D (Research & Development)* (Aug 2009 – Present)
Product: Willow-Ambulatory (Outpatient Pharmacy) (C#, WPF, Cache)

- Designed and implemented the **Price Check** utility for querying prices of medications stocked in pharmacies
- Designed and implemented the **Possible Refill Too Soon** heuristic for prescription refills
- Designed and implemented the **Refill Authorization Report** which is faxed to external providers for prescription approval
- Designed and implemented the **Advancing Billing Options** module that enables users to override billing fields at the prescription fill level during insurance claim processing
- Designed and implemented **mail order and courier workflows** for pharmacies
- Designed and retrofitted application via **extensions** at key strategic points in the pharmacy workflow
- **Pioneer** of Epic's centralized Credit Card Engine (CCE) and the **PA-DSS point-person** for Willow-Ambulatory
- Proceeded as a **recruiter** to Ohio State University, Ohio, USA (February 2011) and telephonically screened potential candidates in India
- Mentored a new hire from April to December 2010

ISU VIRTUAL REALITY APPLICATION CENTER (VRAC) - Ames, Iowa, USA
Position: *Database and Web Developer* (Jan 2009 – Jul 2009)

- Designed and implemented **Prometheus**, a PHP and MySQL based package to manage admissions, alumni profiles, courses, etc.
- Designed and implemented new features (sorting connections, managing talks, nametag generation, etc) on the IgniteIT Iowa 2009 website

MITSUBISHI ELEVATORS (MELCO) (ISO-9001) - Dubai, UAE
Position: *Student Intern* (Jul 2006 – Jan 2007)

- Designed and implemented the **Record Management System** for cataloguing and bar-coding of file room records (VB.Net, SQL Server 2005, Zebra Printing Language)
- Designed and implemented the **Service Report Scanning System** for scanning elevator reports and storing them digitally (VB.Net, MySQL 2005, TWIN)
- Designed and implemented the **Service Request Management (SRM)** software for the IT department to offer systems support company-wide (VB.Net, MySQL, POP)

ALPHA DATA TECHNOLOGIES – Dubai, UAE
Position: *Student Intern* (Jun 2005 – Aug 2005)

- Designed the company website for their subsidiary, 4-Sight Technologies

RONNIE KOSHY

3173 Muir Field Road #117, Madison, Wisconsin, USA - 53719
Mob: +1-515-450-7655 - Email: ronniekoshy@gmail.com
Portfolio: <http://www.ronniekoshy.com/experience#portfolio>

S&S GENERAL TRADING FZC – Dubai, UAE

Position: *Freelance Consultant*

(Oct 2006 – Dec 2007)

- Installed Asterisk (IP PBX) with 5 extensions (Cisco SPA-941 and SPA3102)
- Designed and implemented the Ticket Management System for generating summary reports of road works materials delivered to clients (VB.Net, MySQL, Crystal Reports)
- Designed and implemented the Ticket Auditing System to carry out auditing operations
Implemented a network domain, print server, proxy server and fax server using a RHEL 5.0 Linux distro and networked office computers
- Installed an IP-based CCTV system using Dlink hardware

TECHNICAL SKILLS

Languages	:	C, C++, C#, WPF, VB.NET
Operating Systems	:	Windows, Mac OS, Unix
Web Technologies	:	PHP, Javascript, HTML, CSS, jQuery
Databases	:	MySql 5.0, MS SQL, Cache (MUMPS), Oracle
Others	:	MS Visual Studio 2008, SVN, Crystal Reports, SVN

AREAS OF PROFESSIONAL INTEREST

Information Security, Intrusion Detection, Wireless Networks, Software Engineering and Design

RESEARCH / ACADEMIC PROJECTS

SAVER – IOWA DEPT OF TRANSPORTATION - Fall 2007

- Software analysis of SAVER using UML diagrams and creation of SRS document

MOVIZ4RENT MOBILE VIDEO RENTALS SOFTWARE (**Won First Prize, BITS TechnoFest 2007**)

- Design and implementation of a web service and cryptography-based video rental solution using mobile devices like Pocket PCs, Symbian devices, etc. (Please visit website for more information)
News article: <http://gulfnnews.com/life-style/education/great-ideas-1.179954>

JOINT RADIO AND CHANNEL ASSIGNMENT (JRCA) FOR 802.11 BASED WIRELESS MESH NETWORKS (WMNs)
Advisor: Dr. Lu Ruan, Associate Professor, Computer Science, Iowa State University

- Joint handling of bandwidth allotment and channel assignment in WMNs

AWARDS & HONOURS

- Proficiency First Prize for Computer Science at Our Own English High School, Dubai for the year 2002
- First Prize, Software category, Technofest 2007, BITS Pilani-Dubai for Moviz4Rent Mobile Video Rentals software
- Second place, French Essay Writing competition, Our Own English High School, 2001
- Third place, IASG Cyber Defense Competition (CDC), Fall 2008, Iowa State University - https://www.iac.iastate.edu/wiki/index.php/Cyber_Defense_Competitions

PUBLICATIONS

- **Online Movie Rentals Using Web Services (E-Commerce Application for Mobile Devices)**
Ronnie Koshy, S. Vadivel and Sujala Shetty - *WORLDCOMP'08 (SWWS'08)* - <http://www.world-academy-of-science.org/worldcomp08/ws>
- **A Joint Radio and Channel Assignment (JRCA) Scheme for 802.11-based Wireless Mesh Networks** -
Ronnie Koshy and Lu Ruan - 5th IEEE Broadband wireless access workshop (BWA) colocated with IEEE GLOBECOM 2009 - <http://iee-bwaws.nginet.de/GLOBECOM2009/index.html>
(Acceptance rate: 17%)