

CURRICULUM VITAE

Ullas Krishnan

Krishnanandam(H)

Near Govt ITI, Attingal

Trivandrum, 695101.

Email: ullas1@gmail.com

Mobile: 09495826939

OBJECTIVE

To seek global career, where there is challenge and growth, with opportunities to enrich my knowledge and skills while contributing my best of potential. Principle strengths include leadership, communications, logical and analytical approach to problem solving; adapt to changing demands and priorities to the ever-changing software industry needs.

Summary

- 5+ year of IT experience in analysis, design, development & implementation of software application. Areas of expertise are C#.Net 3.0 / 3.5, MS SqlServer2008, VB.Net, Asp.Net, PHP, Core Java. Worked extensively on Project management and scientific applications.
- Involved in system analysis, design, development, testing and implementation of complex business applications covering the complete Software Development Life Cycle (SDLC) of client server, web based (n-tier) applications and mobile applications.
- An excellent team player and quick learner of new and emerging technologies. Possess good leadership qualities and team building skills
- One Research Paper published in scientific journals.
- GDI+, Image processing and geospatial graphical application experience.
- Hands on experience in Writing Device Driver Application using windows SDK (DDK).
- Experience in Artificial Neural Network (FUZZY) ART implementation.
- Possess excellent problem resolution skills, good customer relationship, management skills and verbal & written communication skills.

Current Experience

Working as a Software Development Manager in OCS Software & Engineering Solutions, Technopark, Trivandrum from Dec 2007 to till date.

Certifications

- Microsoft Certified Trainer MCP ID - 3500109
- Microsoft Certified Solution Developer for Microsoft .Net, since 2005.
- Microsoft Certified Application Developer for Microsoft .Net, since 2005.

Technical Skills

Languages & Technologies	C#.Net 3.0, VB.Net, C, C++, Core Java, QT C++, MS SQL Server 2008, Oracle 9i, MySQL
Web Technologies	Asp.Net 3.0, PHP 5, IIS, Wamp Server 5.0, XHTML, XML, XSLT, CSS, JQuery, Ajax, Action Script 2.0
Programming Tools	Visual Studio 2008, Developer Express, Dreamweaver, QT SDK, ExtJs
Graphics Libraries	.Net GDI+, C++ Graphics library, OpenGL
Teamwork Version Control	Visual Source Safe
Project Tracking	Project Code V1, Primavera 6.0, MS project
Real Time OS	On Time RTOS 32
Embedded Language	Dynamic C, Rabbit 3000 Processor, Micro C
Graphics Packages	Photoshop, Flash, Corel Draw
Mobile OS & SDK	Windows Mobile, Windows Phone 7 Series
Hardware Knowledge	PIC 16F-Series ALP, Windows Device Driver SDK, Rabbit 2000 Microprocessor
Operating Systems	Windows 7 / Vista / XP/98, Red Hat Linux 9

Academic Qualifications

- MPhil (Computer Science) Research Paper submitted - [Image Processing], Bharathiyar University, Coimbatore.
- Masters in Computer Application (Computer Science) 70.76 % from Don Bosco Institute of Technology, Mannuthy, Thrissur, under Calicut University, Kozhikode, Kerala.
- Bachelors (Physics) 72.50 % from St Thomas College, Thrissur under Calicut University.

Current Employer:

- **OCS Software and Engineering Pvt. Ltd**, Technopark, Trivandrum (December 26th 2007 to Till Date).

Previous Employers:

- **Tandem Info Tech**, India, Kesavadasapuram, Trivandrum (Dec 5th 2005 to Dec 25th 2007).
Designation: Software Developer.
- **Core Java Developer and Flash Game Programmer**, Dubai, UAE (May 1st 2004 to Aug 12th 2005).
Designation: Freelance Software Developer.
- **IIC Software & Exports, India**, (Jun 1st 2003 to Dec 24th 2003).
Designation: Software Trainee.

Project details

Current Employer

#1 PROJECT TRAC – Windows and Web Application

- Windows Environment : C#.Net 4.0, SQL Server 2005, Dev Express
- Web Environment : ASP.Net 3.0.

Project Description:

Project Trac is a Project Management System that integrates with client system and provides a platform covering the capital construction process from procurement through to commissioning. Project Trac not only facilitates initial planning but also provides development, management, monitoring, problem forecasting and comprehensive reporting options so that all parties stay aware of critical dependencies

Roles & Responsibilities:

- System Design and Requirement Studies (SRS)
- Architecture Designing and designing system integration modules for other third party libraries.
- Implementation XTRA Reports with Crystal Report Control

#2 HAZARD TRAC –Windows Mobile Application

- Environment : Windows Mobile SDK, C#.Net , CE Framework.

Project Description:

Hazard Trac is a Project Tracking Inspection Software, which is mainly developed for Windows Mobile Platform. The program also use SQL RDA data transfer technology.

Roles & Responsibilities:

- System Design and Requirement Studies
- Code development and testing.
- Implementing IrDA and 32feet library.

#3 PUNCH TRAC – Windows

- Windows Environment : C#.Net 3.0, SQL Server 2005, Dev Express

Project Description:

Punch Trac is a Punch List Management System that records each punch items in the project tracking schedule and also it is used for calculating the overall punch items notified for the inspection

Roles & Responsibilities:

- 3 tier architecture designing and development.

#4 DROPS TRAC – Web

- Web Environment : PHP 5, MySQL, Ajax, JQuery, Jasper, ExtJS, Raphael,

Project Description:

Drops Trac is an inspection tool for oil industry.

Roles & Responsibilities:

- Development of design modules and database normalization.
- Developing web User Interface.
- Integrating Jasper Reports.

Previous Employer

#5 CAD –Pipeline Library

CAD & PRIM Trac is a pipeline library created in .Net 3.0. Library is used to integrate engineering drawing (DWF) file formats. It works with the Design Review C++ library of Autodesk. It also helps to create, edit and save Dwf file formats on the fly.

- Client : TINT.
- Windows Environment : C#.Net 3.0, GDI+, Autodesk Design C++ routines
- Duration : 5/01/2007 To 25/02/2007
- Team size : 1
- Employer : Tandem Info Tec.

Roles & Responsibilities:

- Design and Coding.
- Integration with CAD C++ Libraries.
- Drawing and File format expression binding and DWF viewer implementation.

#6 MICROARRAY ANALYZER - Windows

Micro Array Analyzer is a software package used to analyze Microarray Image. System implements a new gridding algorithm based on finding the related pixel in feature area for gridding. It also incorporates a new segmentation algorithm which works based on masking the interested area from the background and then finding the exact feature area and finding the intensity ratios of Red and Green component.

- Client : Center for Bioinformatics, Trivandrum.
- Windows Environment : C#.Net 3.0, GDI+
- Duration : 25/06/2007 To 25/11/2007
- Team size : 2
- Employer : Tandem Info Tec.
- Industry Type : Bio Informatics.

Roles & Responsibilities:

- System design and Algorithm Implementation. Image processing- filtering and region growing algorithm implementation also implementation of 'top-down' observer expectations with 'bottom-up' sensory information.
- Extraction of Maximum Feature by normal sequence and pre evaluation criteria.
- Interacts with the development of Gridding Modules and feature search implementation.

#7 GENE CLUSTER - Windows

In this project we address the analysis of microarray expression data of mRNA. We have retired mRNA expression levels of analyzed set of thousand probe sets in 12 representative normal human tissues from website via (<http://genecards.weizmann.ac.il/genenote/>). Attempt is made to cluster the data using the tools of Artificial Neural Network. In particular, we have used fuzzy adaptive resonance theory to cluster the data.

- Client : CSIR Regional Laboratory, Trivandrum.
- Windows Environment : C#.Net 3.0, GDI+.
- Duration : 3/03/2007 To 24/04/2007
- Team size : 1
- Employer : Tandem Info Tec.
- Industry Type : Genetics Engineering.

Roles & Responsibilities:

- System design and Algorithm Implementation.
- Interacts with the development of Gridding Modules and feature search implementation.

#8 FREIGHT-CALC – Windows Mobile

This is a small software application used to calculate the freight rates available in all docks and also the webservices attached to the application will retrieve the conversion rates from web and also the application can track each freight transfer through the particular desk.

- Client : Tandem Info Tech.
- Mobile Environment : C#.Net 3.0, Windows Mobile SDK, CE.
- Duration : 5/05/2007 To 1/06/2007
- Team size : 1
- Employer : Tandem Info Tec.
- Industry Type : Calculator.

Roles & Responsibilities:

- System design and Coding
- Architecture designing and report creation.

#9 TEMPERATURE MONITORING SYSTEMS - Embedded System RTOS + Windows

System monitors the temperature of a device in a factory and displays its corresponding values in the monitor and also send an acknowledge signal (SMS) to the operator's mobile phone when the set up parameters exceeds the setup values. You can also program the system to control the temperature of the device automatically. Rabbit 2000 TCP/IP development kit, PIC [16F87*], and ON Time RTOS is used for the system design.

- Client : IIS Software & Exports, Cochin.
- Programming Tools : C/ C++, ASM. Dynamic C, Java [Post master].
- Hardware : Rabbit 2000 Processor.
- Duration : 1/06/2003 To 30/9/2003.
- Team size : 2.
- Industry Type : Embedded System.

Roles & Responsibilities:

- System design and RTOS Programming.
- ASM Programming Module Designing for PIC 16f Series.

#10 REAL TIME PROCESS CONTROL - Embedded System and Web

System helps in controlling and monitoring any industrial process through **web**. Operator can aware about the device status and also control the device from a distant place through any terminal connected to the system via web. System can also upload the current system status to the web. Online weather reports and controlling device in radioactive areas can be also done with the help of this system. System designed with the help of RTOS, Micro-controller and Dynamic C and Embedded TCP/IP development Kit.

- Client : IIS Software & Exports, Cochin.
- Programming Tools : PHP, XHTML, CSS, C/ C++, ASM. Dynamic C++.
- Hardware : Rabbit 2000 Processor.
- Duration : 1/10/2003 To 24/12/2003.
- Team size : 2.
- Industry Type : Embedded System.

Roles & Responsibilities:

- System design and coding.
- PHP and CSS interface creation for COM interaction.
- Dynamic C++ Function call routines implementation.

#11 ONLINE MECHLAB – Web (Simulation)

This project is based on integrating Mechanical lab of an Engineering college in to an online simulation. The online interface includes all the details of the Mechanical machines and also a simulation of each machine inside the lab. User can simulate each machine according to the values and also user can input values to the simulation and get the machine simulator start working. Each user is assigned a particular section of lab to access with limited control to operate the simulator.

- Client : College of Engineering.
- Web Environment : C#.Net 3.0, ASP.Net, MS SQL Server, Flash 3.0.
- Duration : 18/05/2006 To 12/12/2006.
- Team size : 1.
- Employer : Tandem Info Tec.
- Industry Type : Online Simulation.

Roles & Responsibilities:

- System designing and Coding.
- Creating Simulation in Flash.
- System Implementations and support.

#12 KERA-GROUPS – Web (Community Portal)

Online Community website for uploading music files, pictures and creating user groups and sending messages in to the group registered to the website. Help of ASP.Net mobile and Openwave third party library the webpage can be also accessed through mobile devices.

- Client : TINT (Tandem Institute of Networking and Training).
- Web Environment : C#.Net 3.0, ASP.Net, MS SQL Server.
- Duration : 5/01/2006 To 09/02/2006.
- Team size : 1.
- Employer : Tandem Info Tec.
- Industry Type : Online Community.

Roles & Responsibilities:

- System design and Coding.
- Architecture designing and report creation.

#13 FEE- FORECAST Ver 1.0- Windows

Software used for school and software training industry to track the monthly fees and auditing the fees collection and will display it in graphical diagrams. Used for forecasting methods to meet the Break Even point of the business. This software also helps in evaluating the number of students to recruit for getting the business targets. It also keeps track the installment fees statements evenly.

- Client : TINT (Tandem Institute of Networking and Training).
- Windows Environment : C#.Net 3.0, Access Database.
- Duration : 5/03/2007 To 09/04/2007.
- Team size : 1
- Employer : Tandem Info Tec.
- Industry Type : Training School.

Roles & Responsibilities:

- System design and Coding
- Architecture designing and report creation.

Mini Project details**#14 GAME PROGRAMMING- Windows**

Snakes and ladders, or Chutes and ladders, is a classic children's board game.[1] It is played between 2 or more players on a playing board with numbered grid squares. On certain squares on the grid are drawn a number of "ladders" connecting two squares together, and a number of "snakes" or "chutes" also connecting squares together. The size of the grid (most commonly 8x8, 10x10 or 12x12) varies from board to board, as does the exact arrangement of the chutes and the ladders

- Client : TINT.
- Windows Environment : C++, Graphics Library.
- Employer : Tandem Info Tec.
- Industry Type : Game programming.

Roles & Responsibilities:

- System design and Coding.

#15 GOLDEN RECTANGLE- Windows

It's a powerful picture editing and drawing software developed for Microsoft Dos operating system, Proposed system mainly concentrated on creating a good user interface and after that many additional tools and functionalities has been added to maintain it as a very good editor, Main feature its mouse events, which has been designed to handle each user mouse button press events. Different types of styles, built in designs are also added. Function also incorporates the pen tool function and change color option.

- Client : TINT.
- Windows Environment : C++, Graphics Library.
- Employer : Tandem Info Tec.
- Industry Type : Graphics programming.

Roles & Responsibilities:

- System design and Coding.

Website Designed and Hosted

www.hiranmayams.com, www.ocsoftware.com. www.oclearning.com, www.ocsgroup.com,
www.ocstraining.com.

Research Paper Published

- *Digital Image (Microarray) Processing Using Linear Feature Extraction and Maximum Feature Extraction Methods (2007-March). Implementation : Gridding Algorithm For Micro Array Image*

Websites & Blogs & Forums

www.codemx.com, www.asp.net/learn, www.sciencemag.org, www.programmersheaven.com
www.whdc.com, www.vectortuts.com.

Personal Websites & Blogs

www.codemx.com

Training Experience

Corporate

- Open Source Web Technologies: PIT Solutions, Technopark, Trivandrum, (2010).
- SQL Server MCITP: Alamy Images, Technopark, Trivandrum, (2007).
- C#.Net 3.0, ASP.NET: UST Global, Technopark, Trivandrum, (2006).

Institutions

- C++ on Linux: PACET College of Engineering, Trivandrum, (2007).
- C#, ASP.NET 3.0: Mar Basceloius College of Engineering, (2007).

PERSONAL DETAILS

- Father : N Krishnan Kutty Pillai
- Date of Birth : 03-11-1979
- Sex : Male
- Martial Status : Married
- Nationality : Indian
- Passport No : E7476939
- Languages known : English, Malayalam, Hindi, Tamil.
- Permanent Address : Krishnanandam, Near Govt ITI Attingal, Trivandrum, Kerala, Pin 695101, Phone 0471-2620156.

DECLARATION

I here by declare that the above information's furnished are best of my knowledge.

Place: Trivandrum

Date:

Ullas Krishnan