

Avinash Misra

E-mail: avinash@infinity-ventures.com

240-403-1082

Objective

To secure a challenging position as a **Team Player Software Engineer** that utilizes and enhances my skills, education and experience in software development using **Extreme Programming Method**.

Career Profile

Ten years of professional experience in design and implementation of complex, and diverse client-server systems. Worked on software development projects, which involved analysis, design, implementation, integration, and testing using Object Oriented techniques. The total experience is centered on **development of Network Management Systems, Operations Support and Graphical User Interfaces**.

Summary of Skills

- Programming Languages: **Java, Swing, JUnit, Mock Objects**, JavaScript, **SQL, JSP, Perl**, shell programming (ksh), **ANT, Corba** (Visibroker), **JMS, JDBC, Java Script**, C++, Roguewave Tools, h++, C
- Web Applications and Platforms: **JSP, DHTML, JavaScript, Java, JProbe, EJB, XML, XPath, XML Spy, Java Web Start, Apache, TomCat**, Weblogic.
- Methodologies: **Extreme Programming (XP), Test Driven Development (TDD), Object Oriented Design** and Development.
- Methods & Tools: **Eclipse, Rational Rose, FairIsaac Blaze Advisor/Innovator Rules Engine, XMLSpy, Clearcase, MKS**.
- Software/Databases: **Oracle, MySql, Ingress**, and Informix.
- Operating Systems: **Linux (different flavors), HP UX, Solaris, and Windows XP**.
- Networking: **TCP/IP, DECNET, IPX/SPX**.
- Networking Tools: **BMC Patrol, SNMP, HP Open View**, Packet and Protocol Analyzers such as **Sniffer** and Ethreal.
- Well versed with e-commerce web application development.
- Motivated team player with excellent problem solving and analytical skills, communication and leadership skills.

Work Experience 10 Years

- **Fair Isaac Corporation, Baltimore, MD May 2006 to Till Date**
Position: Technical Architect
Duties: Deploy blaze advisor or other fair products based on client requirements.
Tools and Technologies: J2EE, Eclipse, ANT, JUnit, HttpUnit, DbUnit, JSP, FairIssac Blaze Innovator Rules Management, MySql, **Extreme Programming** and **Test Driven Development**.
- **Spirent Communications, Rockville, MD April 2004 – May 2006**
Position: Senior Software Engineer
Duties: Development of Web Based Diagnostics tool for **Service Assurance for IP based services**.
Tools and Technologies: Java, Eclipse, ANT, JUnit, HttpUnit, DbUnit, JSP, FairIssac Blaze Innovator Rules Management, MySql, **Extreme Programming** and **Test Driven Development**.
- **Hughes Network Systems, Germantown, MD Jan 1999 – April 2004**
Position: **Member Technical Staff-Grade 3**
Duties: NMS design, implementation and tools development.
DirecWay/DirecPC Vision is a brand name for in-house developed Network Management System for Hughes VSAT networks. It involves development and enhancement of scalable solution to manage various elements of DirecWay and DirecPC network. The product Vision is developed on HP Unix Platform using the tools such as Java, Swing, Advent Snmp Library, XML, JSP, WebStart, Visibroker (Corba), Oracle, HP OpenView. I have been involved in all the areas of its development.

PES Network Management is based on Open VMS platform. Apart from enhancement and addition of features, was involved in developing interfaces to the existing NMS for a command line interface (CLI) access and development of Web enabled access of NMS (One Screen Wonder. The CLI and the One Screen Wonder is used to diagnose and fix the problems on remotes, and hub components used by NOC operators and field engineers.

- **ORBCOMM Global, L.P. Dulles, VA. Feb 1998 – Jan 1999**

Position: Senior Software Engineer

Duties: NMS design & development of tools for Network Management System.

I was involved in software development and integration of a multi-user, fault-tolerant, event monitoring and performance monitoring NMS. The solution incorporates commercial off-the-shelf tools, such as HP OpenView and BMC Patrol, and in-house developed GUI applications in C, Motif, SNMP, and ESQL (Informix). I also developed several tools and utilities using kshell and Perl scripts. All the utilities and tools are integrated into HPOpenView.

- **Xerox Corporation, El Segundo, CA. Sep 1996 – Feb 1998**

Position: Senior Software Engineer

Duties: GUI for printer management system (Genesis). This was a stand-alone multilingual GUI application to manage and control high end Xerox printers. I was involved in design and implementation of different modules.

Tools and Methodology: OO Booch method using Rational Rose, C++, Roguewave Tools.h++, Visix's Galaxy, Clearcase as version control system.

- **Philips Medical Systems, Eindhoven, Netherlands.**

Position: Software Engineer **Mar 1996 - Sep 1996**

Duties: Implementation of image processing algorithms (CD-MAF). I was involved in coding and unit testing of image processing functions obtained from x-ray modality.

Tools: Cross platform development C on SunOS and object code for VxWorks, PVCS was used as code version management.

- **LK Global S/W Engineering India Pvt. Ltd., Noida, India.**

Position: Software Engineer **July 1995 - Mar 1996**

Duties: Design and prototype implementation of IDE (AREMIS) for development of various application software.

Software/Tools : C, Motif, Visual C++, Windows 3.11, Visual Basic, and Crystal Reports.

Education

M. S. (Computer Science)

Johns Hopkins University, Maryland, USA

BS Computer Science

Institute of Engineering & Technology, Lucknow, India.

Immigration Status

Permanent Resident (Green Card)

References: Available on request.