

ASHISH NARAIN

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Objective:

To obtain a position as a developer/analyst in the field of Computer Science.

Summary:

- Six months of experience in the field of software development and quality assurance
- Six months of experience in local and wide area network operations
- Flexible team player with strong communication and presentation skills

Education:

Master of Science in Computer Science

Summer 2006

The University of Texas at Dallas
Current GPA: **4.0/4.0**

Bachelor of Engineering in Computer Science

June 2003

University of Pune, India
Percentage: 73% (Top 1% of the University)

Major Coursework: Computer Languages, Database Design and Analysis, Adv. Computer Networks, Real Time Systems, Adv. Software Engineering, Software Architecture and Design, Object Oriented Analysis and Design, Adv. Operating Systems (Spring 2006), Design and Analysis of Algorithms(Spring 2006).

Undergraduate Project Thesis: Designed and constructed a robot for remote surveillance. The mobile robotic vehicle streamed video over a wireless connection and could be navigated remotely through uneven terrain.

Professional Skills:

Operating Systems:

Windows 2000/XP, Linux

Programming Languages:

Java, C/C++, Visual Basic, Unix shell scripting

Databases:

Oracle 8.0, Microsoft Access

API/Frameworks:

TCP/IP sockets programming, Java Threads, Sun App Server, Java Servlets/JSP, JDBC, RMI, XML, XSLT, JMF

Web Technologies:

HTML, Java Applets, JavaScript.

Networking:

TCP/IP networking, routing (OSPF and BGP), Cisco IOS(2500/3600 series routers)

Other:

Microsoft Office, Crystal Reports, Rational Rose
UML

Professional Experience:

Software Engineer

Infosys Technologies Ltd., Hyderabad, India

July 2004 to Dec 2004

- Development and Testing for CRM modules of a universal banking solution.
- Extensively used server side technologies such as Java servlets, JSP and RMI.
- One month extensive training in Java Technologies and Web Technologies.

Network Engineer

TATA V.S.N.L., Kolkata, India

Dec 2003 to June 2004

- Maintained local and wide area networks using TCP/IP stacks, ICMP, frame relay, FDDI
- Worked in the regional Network Operations Center supporting over 300 very large corporate customers and managed backbone operations.
- Configured and diagnosed Cisco 2500/3600/7500-GSR routers

Academic Projects

Real-Time simulator of a train controller

- Implemented a real-time application to simulate a transit system train controller.
- Handled real-time issues such as event handling, scheduling and task prioritization.
- Implemented Java based GUI application to animate controller operations and simulate system I/O.
- Created fault-handler mechanisms to recover from failures.

An email search engine

- A self interest project to construct a multi-threaded crawler and search engine for email addresses.
- Designed the architecture for a distributed crawler application.
- Designed the architecture to provide high throughput search operations.

TCP Implementation over IP multicast for FTP

- Implemented a serial, reliable, go-back-N based communication protocol over udp-multicast to achieve a secure ftp application.
- Designed and Implemented Application Layer protocol headers
- Simulated packet loss and probabilistic packet delay
- Connection Management and Connection Isolation.

Remotely operated surveillance robot.

- Designed and developed a surveillance robot (undergraduate thesis).
- Implemented communication mechanism over RF between server and robot.
- Implemented video streaming between server and client using the Java Media Framework.

Awards and Recognition

- Won two national level project contests for the undergraduate project organized by IEEE and Computer Society of India.
- Awarded rookie of the year for excellence in training at Infosys.
- Stood first in academics during the undergraduate program.
- Received recognition in customer support excellence at VSNL.

References:

Available upon request.

Availability: May 2006

Work Status: Student – F1 Visa