

**Neeraj Mahadevrao Rajgure**

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**Objective:** To obtain Software Engineer position where I can leverage my experience, knowledge and software skills for achieving the business goal, while pursuing professional growth.

**Education:** **New Jersey Institute of Technology, Newark, NJ**  
MS, Computer Science, January 2009  
**GPA 3.94**

**Skills:** **Operating Systems:** Linux, Unix, and Windows.  
**Languages:** C, C++, Perl, Shell scripting, Linux Kernel Programming, Windows SDK, MFC, VC++, SQL and COM.  
**Tools:** gdb, Valgrind, Ethereal, Clear Case and CVS.  
**Networks:** TCP/IP Stack and protocols and Unix Network Programming.

**Research Experience:** 2 years  
Jan 2007 – Jan 2009 **New Jersey Inst. of Technology, NJ** and **National Inst. of Informatics, Tokyo, Japan.**  
Research Assistant

- Design routing protocols for Vehicular Ad hoc Network and Wireless Sensor Network.

**Publications:**

- Geographical Data Collection in Sensor Networks with Self-Organizing Transaction Cluster-Heads – To appear in ACM, SAC 2009 conference (track SOPDS).
- VANET Routing on City Roads using Real-Time Vehicular Traffic Information - IEEE Transactions on Vehicular Technology. To appear 2009.

**Industry Experience:** 6 years  
Aug 2005 - Dec 2006 **Covansys, Chennai, India (Client PayPal)**  
Projects Associate – Level 3

- **Designed and developed features** ensuring fast, easy and secure payment solutions.
- **Mentored** team members in **acquiring business process and technical skills.**
- **Initiated** generation of **Impact Analysis Document**, which helped in gauging the impact of any change in the existing code.

May 2002 – Aug 2005 **AccelTree Software, Pune, India**  
Module Leader

- Designed and developed **3-tier architecture** for FRED product achieving **scalability and performance.**
- Designed and developed **application** for **backing up the data over the network** to the remote server, gaining knowledge of **socket programming.**
- Designed and developed a **console based multi-threaded server application** adding to the knowledge of **windows CUI** and **multi-thread** programming.
- Developed **Technical Design Document** to increase programmer productivity.
- Designed and developed an IVR (**Interactive Voice Response**) system.
- Wrote **ISO specification** for software CD-ROM management system contributing to the organization achieving **ISO 9001:2000** certification in the month of Oct 04.

Jan 2001 – May 2002 **VERITAS, Pune, India (Now Symantec, India)**  
Associate Software Engineer

- Developed and **ported to Linux**, Upgrade Utility for VCS to enable version migration.
- Instrumental in **R&D of several requirements** and documenting the information that aided the developers to enhance the product features.
- **Developed File Configuration Utility**, the utility assisted the user to generate the configuration that is required for VERITAS Cluster Server to bring the File resource under VERITAS Cluster Server control.

Following is a summary of my work experience and achievement:

- **GPA 3.94**, Master of Science in Computer Science from New Jersey Institute of Technology.
- Have **two publications** one of them being for **IEEE Journal**.
- Worked as **Research Assistant** at NJIT.
- **6 years of software development experience.**
- Worked with VERITAS Software (India) in VERITAS Cluster Server group (High Availability).
- Worked with Covansys, India, for client PayPal Inc.
- Strong skill-set in **C, C++** on Linux and Windows platform.
- Good exposure to **Network programming**, extensive **Client/Server**, **XML DOM** parser and **Multithreading** experience.
- Beginner level skills in Linux Kernel Programming.
- Involved in software development using **Agile** methodologies, Object Oriented Design and **Design Patterns**.
- **International Internship** at National Institute of Informatics, Tokyo (Japan) in Summer 2008.
- Wrote helpful Shell and **Perl script** with use of Regex, currently used in our Laboratory.