RÉSUMÉ

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EXPERIENCE SUMMARY

- 10 years of experience in Software Development, Networking & Telecommunications and Research
- Skillful in business analysis, designing, coding, testing, problem solving, troubleshooting and documentation.
- Good communication and team work also work well under pressure of work.
- Be responsible and careful

TECHNICAL SKILLS

- Programming languages:
  - C, C++, Java, Shell Script, Perl, PHP, JSP, HTML, XML
- Database: PostgreSQL, MySQL, MSSQL
- Tools:
  - Eclipse, NetBean, Visual Studio.NET, CVS, git, valgrind
- Analysis method: UML, OOP
- Operating system: Windows, Sun Solaris, Fedora Core, Ubuntu
- Networking and telecommunication protocols/technologies:
  - TCP, UDP, DNS, FTP, SCTP, TELNET, HTTP, DHCP, IPv4, IPv6, SSH. RIP, OSPF
  - SIP, H248, MGCP

RELEVANT PROJECTS

PROJECTS	TECHNOLOGIES
In-memory data recovery (LAZADA) (2015) Project aims to recover data in memory in case the server's down and up. We combine the share memory technique and memcached, an open source allows to take memory from different parts of system and make it accessible to areas where you have less than you need. **Duties**: - Design new data structures in order to move cached data from heap to shared memory. And then restore and reconstruct the cached data from shared memory when server's down and up	- C/C++ - Share memory and memcached technique

• Implement the new data structures to store memcached data in share memory	
Traffic Generation for VOIP system (TMA) **(2/2012 – 2015)** A number of tools, that simulate the clients, gateways, gateway controller, call processing server using various of telecom protocols (SIP, H.248, MGCP,...), are used to test many components in VOIP system of Nortel in the past, and now Genband. **Duties:** • Be responsible for technical leader. • Add new features and fix bugs in the system. • Troubleshoot problems in system verification labs.	• C/C++, Java • Socket, Multi-threading • SIP, H.248, MGCP, STB • HTTP/HTTPS • Perl/Python scripts.
Core and GWC patching (TMA) **(1/2011 – 2/2012)** Nortel in the past and now Genband solution for telecom system which combines the advantage of VoIP and the traditional TDM network: • Converged networks are managed IP core networks that can simultaneously support real-time IP telephony, multimedia and a range of data services • Uniquely placed to enable network operators to adopt the new packet-based network architecture without having to restrict themselves • Includes call processing agents, translations, routing, billing and services software **Duties:** • Implement the propagation patch from the original patch for CORE and GWC	• C/C++, Protel • VoIP (SIP, H.248…) • Proprietary technologies • Perl/Python scripts.
Building an Anti-virus and Anti-spam system for emails using grid technology (HCMUS) **(2009 – 2010)** Base on Globus Toolkits and some email support tool, building a system that stores safe emails on wide network. When the system receives user emails, it will determine a suitable resource to scan emails for spam or virus, then store them **Duties:** • Design and implement whole system	• Java • Qmail, ClamAV, SpamAssassin • Globus Toolkits
Building a distributed storage system using grid technology (*HCMUS*) **(2007 – 2008)** Base on Storage Resource Broker tool, building a system managing distributed data on wide network. When users upload data to system, system will determine a suitable resource to store data. The system allows users to store and access data via web interface.	• JAVA, JSP • PostgreSQL • HTML, CSS • Storage Resource Broker, Network Weather Service

Duties: • Design and implement whole system	

EDUCATION

⚹ *2005 - 2008*   **Master *Degree* of Computer Science**
HCMC University of Sciences, Ho Chi Minh City, Vietnam
⚹ *2000 - 2004*   ***Bachelor Degree in Information Technology***
HCMC University of of Sciences, Ho Chi Minh City, Vietnam