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(Latest: <http://www.shantanutushar.com/Shantanu Tushar.pdf>)

Summary

Currently working at Hewlett Packard India R&D as a trainee (August 2011 – Present). A contributor to KDE Open Source project and striving to produce clean and maintainable code. Key strengths are strong Object Oriented programming concepts and design patterns

Objectives

Seeking a challenging opportunity in software design and development while delivering elegant software

Experience

- Developer, [KDE](#) Open Source Project (February 2009 - present)
KDE is an international technology team that creates software for desktop and portable computing. KDE software is largely written in C++ and QML (using the Qt Application Framework) and primarily focuses on a consistent desktop experience. My responsibilities include -
 - Co-author, Plasmate applet publishing tool (Editing Component)
 - Author and maintainer of Gluon Player Library
 - Author and maintainer of Calligra Active – KDE's Office Viewer for mobile devices
 - Co-architect, Plasma Media Center QML
- Systems Software Engineer, Hewlett Packard India Software Operations (August 2011 – present)
Undergoing product specific training and am responsible for developing and maintaining HP Quality Center integration with existing test suites for HP NonStop servers

Academic Qualification

Primary School (2005) Loyola High School, Patna, Bihar, India (CBSE Aggregate 87%)

+2 Level School (2007) Ishan International Public School, Patna, Bihar, India (CBSE Aggregate 77.67%)

Graduation (2011) B.M.S. College Of Engineering, Bangalore, Karnataka, India
Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka, India
B.E. In Computer Science and Engineering with 73.17% aggregate

Skills

- Experienced at working with people from different countries and cultures
- Ability to work with and motivate volunteers
- Written real-world, long-term-maintainable software as part of a globally distributed team
- Strong understanding of Object Oriented Programming concepts and familiarity with Design Patterns, especially MVC
- Proficient in C/C++ Programming Languages
- Proficient in Nokia-Qt Cross Platform Application Framework based on C++
- Familiar with PHP, ECMA Script (JavaScript), XHTML, XML, CSS and SQL for web development
- Good understanding of Internet and networking concepts
- Proficient in GNU/Linux tools such as find, grep etc and can write advanced shell scripts to automate tasks and for system administration
- Working knowledge of Source Control Management Systems such as SVN, Git

Interests

- Software design and development, Design Patterns, Agile Methods, Network Applications, UI

Projects

School Projects/Hobby Projects:

- Cross Platform LAN Messaging Application
My B.E. degree project which allows users to chat, transfer files/folders, and search for content on a local network. This application uses the Qt cross platform framework and enjoys a clear separation of logic and UI using Model/View pattern.
The application can be found at <http://gitorious.org/kapotah/kapotah> and can be compiled and installed on Android, Linux, Mac OSX, Maemo, MeeGo and Windows.
- Personal Website <http://www.shantanutushar.com> using Drupal Content Management Framework
- Website for Success Physics, Patna – <http://www.successphysics.com> using the Drupal CMF

Google Summer of Code 2010 Project: (May 2010 to August 2010)

- Gluon Player Library is a cross platform library to allow creation of player applications that can run on multiple platforms (e.g. Windows, GNU/Linux, Nokia's Maemo/Symbian, Nokia and Intel's MeeGo). The Player Applications will be used to fetch, play, rate games based on the Gluon platform (termed as social games). Software repository here <https://projects.kde.org/projects/playground/games/gluon/repository>

Google Summer of Code 2011 Project: (May 2011 to August 2011)

- Once the Gluon Player library was in place, this year's focus was on adding support for the remaining social services and integration of the distribution dock into Gluon Creator. Software repository here <https://projects.kde.org/projects/playground/games/gluon/repository>

Nokia-VTU Project on Mobile UI for Calligra: (January 2011 to April 2011)

- Worked under the Nokia-VTU university collaboration to produce Calligra Active, a QtQuick based mobile UI for Calligra – KDE's office suite. Calligra Active is now part of official images of Plasma Active for tablet devices released by the KDE community, basysKom GmbH and open-slx GmbH.

Achievements

- Was one of 1,115 students selected worldwide for the Google Summer of Code 2011 program for working on enhancements for digital game distribution in Gluon.
- Was accredited as a Nokia certified Qt developer in July, 2010 during Akademy 2010 at Tampere, Finland.
- Was one of the 1,026 students selected worldwide for the Google Summer of Code 2010 program for working on the Gluon Player.
- Selected as one of the 8 finalist teams in Bits and Bytes Programming Contest organized by Department of Computer Science and Automation of Indian Institute of Science (I.I.Sc.), Bangalore during the Open Day 2010.
- Selected as an OSUM Leader for the college in the year 2009 under SUN Microsystems Student Learning Initiative
- Distinction In International Assessment For Schools (Science) From The University Of New South Wales, Australia in 2000 and 2001
- Silver Merit in 1st and 4th National Cyber Olympiad conducted by the Science Olympiad Foundation

Activities

- Conducted sessions as a guest speaker to motivate students to contribute, during Software Freedom Day 2011 organized by the students of BMS College of Engineering, Bangalore
<http://www.shantanutushar.com/content/software-freedom-day-2011-bmsce-bangalore>
- Regular speaker at Mukthi, the FOSS event of M.S. Ramaiah Institute Of Technology, Bangalore. Talks ranged from using Qt Creator, the cross platform IDE for Qt in 2009, to developing Plasma applets for the KDE Software Compilation in 2011.
- Part of the core team and conducted Qt/KDE Development workshops for students attending conf.kde.in 2011, India's first ever Qt and KDE event. The event was a huge success with students participating from all over India, and resulted in new student contributors.
- Organized the Programming and Debugging contest as a part of Avalanche 2010, a fest organized by the departments of Computer Science and Engineering and Information Science and Engineering of BMS College of Engineering, Bangalore.
- Was the event coordinator and one of the speakers for the KDE Project of The Day at FOSS.IN 2009 – India's premier FOSS event. The event was a huge success with lots of delegates attending and learning from our event
- Spoke at a seminar at M.S. Ramaiah Institute Of Technology, Bangalore, India on how to modify KDE applets and add new features on 7th November, 2009
- Conducted a workshop at National Institute of Technology, Calicut, India on Qt Designer, the GUI Designer kit for the cross platform Qt Application Framework 4.4 during February 27th to March 1st, 2009. Details at <http://www.shantanutushar.com/content/foss-meet-nit-calicut-2009>
- Spoke at a seminar at M.S. Ramaiah Institute Of Technology, Bangalore, India on Qt Creator, a cross platform IDE for the cross platform Qt Application Framework 4.5 on 2nd May, 2009
Details at <http://www.shantanutushar.com/content/talk-qt-creator-mukthi-905-msrit>
- Was a speaker and a member of the team which organized the Software Freedom Day at our college on 19th September, 2009 which was a day long activity to create awareness about Free and Open Source Software amongst students.
Details at <http://www.shantanutushar.com/content/software-freedom-day-2009-bms-college-engineering-bangalore>
- Organized the Coding and Debugging event at Cynapse '09 technical fest organized by the Department of Computer Science and Engineering, Bangalore.

References available on request.

The information contained herein is true to my knowledge, as on 17th January, 2012