ANISH PATIL

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Seeking assignments in SOFTWARE DEVELOPMENT & PROGRAMMING with a growth oriented organisation

CAREER OUTLOOK

- ☑ Software Engineer with **over 8+ years** of experience in the areas of Software Developing & Programming in **C, C++, Python, Vala, Java Script, Core Java on UNIX/ Linux platform**.
- ☑ **Currently working with Red Hat (***www.redhat.com***) as a Software Engineer.**
- ☑ **Australian permanent visa, eligible to work in Australia**
- ☑ **Frequent speaker on Open Source technologies at conferences, universities and user groups around the world**
- ☑ **Passionate programmer and proficient in implementing ideas into reality**
- ☑ **Gnome foundation member since 2012(http://www.gnome.org/foundation/membership/)**
- ☑ Adept in end-to-end development of software products from requirement analysis to system study, designing, coding testing, de-bugging, documentation and implementation.
- ☑ Deft at gathering & mapping the requirements, custom designing solutions & troubleshooting for complex software & application problems.
- ☑ Technical proficiency in various software development languages, **object oriented designing**, applications and databases and possess knowledge of ANSI/ISO **C,C++,Python, Java Script, UNIX\LINUX Shell Scripting, Core Java**,**Vala**
- ☑ Proficient with **IPC, Shared Memory, STL thread issues.**
- ☑ Worked on **System, Application and Web Development.**
- ☑ Adroit in providing effective resolution to customer queries related to product and improving relationships with the customer by anticipating customer future requirements, thereby ensuring a positive customer experience.
- ☑ Excellent communication & interpersonal skills with abilities in resolving complex software issues.

Skills Set

Technical

Languages	:	ANSI/ISO C, C++, Python, Java Script, Vala, Core Java
Libraries and toolkits	:	Inter process communication (IPC), Multithreaded Programming using pthread, Unix Signal Handling, Ncurses, STL, Open SSL, Socket Programming, Localization and Globalization. DBUS, Gtk, Gobject
Operating Systems	:	GNU/Linux System, HP/UX.
Compliers	:	GCC, G++, Sun JDK1.4.2
Editors	:	GNU Emacs, VIM
CORBA	:	TAO, JacORB
LDAP	:	Open LDAP
Web Frameworks	:	Django, socket.io, node.js, Jquery

Functional

- ☑ Managing requirement gathering, system analysis and finalization of technical / functional specifications.
- ☑ Designing, developing, coding, testing, troubleshooting and debugging of the applications.
- ☑ Managing smooth implementation and testing of application at client location.
- ☑ Providing post-implementation, application maintenance and enhancement support to the client with regard to the product / software application.
- ☑ Implementing software processes within the team.
- ☑ Cooperating & communicating with other team members for efficient management work.
- ☑ Managing & providing technical guidance/support to the project team.
- ☑ Defining suitable methodology to undertake the project with the available inputs for the requisite output.
- ☑ Identifying documents related to components and maintaining detailed study of the same as per the product changes, by getting in touch with the product developers.

Organizational Experience

Since 16-AUG-2011 -Present Date   **Red Hat Inc.**   **Software   Engineer**

Projects Executed

Title   **:**   Red Hat Enterprise Linux 7
Organization **:**   Red Hat
Languages   **:**   C, C++, POSIX, Python
Environment   **:**   Linux
Description   **:**   Red Hat Enterprise Linux 7 is rpm based operating system based on Linux kernel.

Roles and Responsibilities:
- I work on input stack of operating system.
- I am responsible for design, modify, and develop RHEL-7 features using programming languages such as C, C++, Vala, Python and Java script.
- Participate in unit testing and regression testing.
- I am the part of distributed team, I work closely with but independently with across team members from countries such as China, Japan and Germany
- Maintain packages of RHEL-7

Open Source Projects that I own or Contributed:

Title   **:**   Ibus typing booster
Languages   **:**   Python, C, D-Bus
Environment   **:**   Linux
Description   **:**   I am one of the co-author behind ibus-typing-booster project which is a fedora 18 feature now.
Typing booster is auto completion/predictive text project which supports more than 30 languages.
https://fedorahosted.org/ibus-typing-booster/
Ibus typing booster is a open source project and it's source can be found on
https://git.fedorahosted.org/cgit/ibus-typing-booster.git/
Roles and Responsibilities:
- Initial design and programming, maintainer of this project

Title   **:**   Hunspell
Languages   **:**   C++
Environment   **:**   Linux
Description   **:**   Hunspell is the spellchecker library which is been used across all the Linux, Mozilla and chromium and its source can be found on https://gitorious.org/hunspell
Roles and Responsibilities:
- Implementing features for spellchecking

Title   **:**   zanata-python-client
Languages   **:**   Python
Environment   **:**   Linux
Description   **:**   Zanata Python client is a client that communicates with a Zanata server [http://zanata.org/] to push text for translation (from publican documents or gettext-based software), and pull translated text back for inclusion in software or documentation builds.
Its source code can be found on https://github.com/zanata/zanata-python-client
Roles and Responsibilities:
- Current maintainer of this project

Title   **:**   libyokan
Languages   **:**   vala, gobject
Environment   **:**   Linux
Description   **:**   ibyokan is library for text prediction. It's a open source project and its code can be found on
https://gitorious.org/libyokan
Libyoan uses machine learning techniques for text prediction, it can be integrated with any input method framework such as ibus and fctix .It uses gobject introspection so client can be written in any programming language that supports gobject introspection.
Roles and Responsibilities:
- Author and current maintainer of this project

Other Open Source projects

- ☑ Author of https://git.fedorahosted.org/git/gnome-transliteration.git project
- ☑ Participated in JanBharati Project for translation of Mozilla Firefox into Marathi language at http://wiki.mozilla.org/L10n:Teams:mr
- ☑ Contributor to GNU's pdf library. http://www.gnupdf.org/People

Web Projects:-

Title	:	http://webwordedit-wwe.rhcloud.com
		https://gitorious.org/webwordedit
Languages	:	Python, JQuery, Django
Description	:	Word Verification system which is used to generate the wordlists from words

Roles and Responsibilities:
- Design, implementation

Title	:	http://statusapp-wwe.rhcloud.com/
		https://bitbucket.org/anish_patil/statusapp
Languages	:	Bootstrap.js, Java Script, node.js, mongodb, socket.io
Description	:	Real time tracking of status reports of team.

Roles and Responsibilities:
- Design, implementation

Since 18-Oct2010-1-AUG-2011   Nihilent Tech (http://www.nihilent.com/)   Solution Designer

Projects Executed

Title	:	FEDS settlement Server
Organization	:	First National Bank of South Africa
Languages	:	C++, Shared memory, IPC (message queue), STL, POSIX Threads, Java
Environment	:	Linux
Description	:	Front End Dealing System deals with foreign exchange dealings. Payments system is one module within FEDS. Settlement sever settles payments from the clients.

Roles and Responsibilities:
- ☑ Wrote settlement server in C++ using Shared memory, STL and used various design patterns so that design becomes elegant and easy to maintain
- ☑ Client was written in Java
- ☑ Being a senior developer, I was responsible for code reviews and maintaining coding standards of other developers
- ☑ Worked with client to his location (South Africa) for user acceptance testing and I had taken his sign off after user testing.
- ☑ Implemented several process within the team such as build and packaging
- ☑ Redesigned database schema so that it handles concurrent requests

Since Mar'06-Sept 2010   Avaya India Pvt. Ltd (http://www.avaya.com/in/)   Software Engineer

Projects Executed

Title	:	Licensing Module.
Organization	:	Avaya India Pvt. Ltd.
Languages	:	C++, Shared memory, IPC (message queue), STL, POSIX Threads.
Environment	:	Linux
Middleware	:	CORBA (TAO)
Description	:	The Avaya Predictive Dialling System allows agents to reach more customers, more quickly and more profitably through the use of Automated Technology and Applications for Outbound Dialling Solutions.

- ☑ Avaya has its own floating licensing manager called as FlexLM.

Responsibilities:-
- ☑ To communicate with FlexLM I have written a process called enforcer.
- ☑ Enforcer is a c++ process and it's implemented using State Machine using State Pattern & Exception Hierarchy.
- ☑ It's a multi-threaded process and communicates with other processes using IPC mechanism

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Title	:	Real Time Monitoring (Server):
Languages	:	C++, POSIX threads, STL
Environment	:	Linux
Middleware	:	CORBA (TAO), JacORB

Description:
Real time reporting allows to monitor real time data to the clients
It's a service which provides the API to its clients.

It generates two types of events. One is type statical data and other is real time events
Responsibilities:-
Developed process called event server which is C++ process which generates two types of events
Event Server is written in C++ and it's a c++ process
It's developed using Subject-Observer pattern

Title : **Event SDK**
Languages : C++, Core Java
Environment : Linux
Middleware : CORBA (TAO), JacORB
Responsibilities:-
- Co-author of event sdk
- It's developed in Core Java and C++
- Using event SDK, you can develop your own clients

Other Responsibilities at Avaya
- ☑ Handling multiple critical customer escalations for PC product and won couple of prestigious Avaya Awards for the same.
- ☑ Integrating the PC product with IQ product of Avaya. Involved into development of a connector module that enables PC to provide data to IQ for reporting. IQ is Avaya's next generation reporting tool
- ☑ Solved critical bug fixes in earlier versions of the product.
- ☑ Wrote scripts that will push the data in the database in case of crash recovery
- ☑ Added small features to existing product in service packs
- ☑ **Mentoring** for new joiners. **Coaching** & managing their ramp up, planning and work scheduling.
- ☑ Choosing and running code coverage tools such as Valgrind, Coverity to improve code quality and memory issues.
- ☑ Porting of code from HP Unix systems to Linux systems.

NOTABLE ATTAINMENTS
- ☑ Winner of the Avaya's Club stellar award in 4th quarter of 2008.
- ☑ **Sun certified Java Programmer (Java 1.4)**
- ☑ Bagged 2 awards for localization and successful release of Proactive Contact 4.0.
- ☑ Holds distinction of being nominated for the Avaya Labs Cup Award.
- ☑ **DST Analysis** and worked to certify PC with US DST 2010, and Australian DST 2010.
- ☑ Selected for Maharashtra Talent Search

Talks given at Open source conferences
- Talk on "Programming in Python" at Fundcon, 2011 Pune
- Talk on Ibus typing booster at Gnome Asia 2012, Hong Kong
- Talk on Machine learning techniques that can be used in Text prediction at Gnome Asia 2013, Seoul
- Talk on Ibus typing booster at GUADEC 2013, Brno
- Talk on Next Generation input method at Gnome Asia 2014, Beijing
- Talk on Predictive input methods at Flock 2014, Prague

ACADEMIC CREDENTIALS

2005 **B.E. (IT)** from D.Y. Patil College of Engineering & Technology, Shivaji University, Kolhapur, Maharashtra, secured 1st Division with distinction
2001 Completed HSC in June under Maharashtra Board securing **80**%
1999 Completed SSC in June under Maharashtra Board securing **82%**

PERSONAL DOSSIER

Date of Birth : 29st Oct, 1983