

October 20, 2009

What i strive for?

- Challenging Tasks.
- Innovation.
- Progress / Improvement.
- Pursuit of Quality.
- Drive for Knowledge.

What i expect?

- High degree of Professionalism.
- Friendly Atmosphere.
- Healthy Competition.
- Learning Opportunities.

What i offer?

- Build Management.
- Configuration Management – Base Clearcase, UCM, Perforce.
- Capacity Planning.
- Data bridging.
- Data porting.
- Database Management level work.
- Documentation.
- Hiring, Training and Managing Sales/Support Staff.
- Information Co-ordination between departments and sites.
- Innovation.
- International Trade / Sales.
- Jumpstart (automatic) Installations.
- Network/Server Management level work.
- Process Improvement.
- Project Management level work.
- Requirements Analysis.
- Sales.
- Software Development.
- Software System Integration.
- Software/System Analysis, Design and Testing.
- Software/System Redesigning/Support.
- Solaris Server / Veritas filesystem layout designing.
- Support (Level I & II).

(sorted alphabetically)

Details about my experiences in these areas can be seen in the following Portfolio.
In the summary, a heading can be clicked (or Ctrl-clicked) to see more details of an experience.

Saif Khan
saifkhan.com

Saif Khan's Portfolio

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Summary

Education

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- BCS (Bachelor of Computer Science – Major Software Engineering).
- MCS courses.

Experience

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Development Platform Gatekeeper

(Aug 2008 – Current)

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- **(Research In Motion)**
- SCM System: Perforce
- Development / Release Branch Management.
- Testbuilds for IOT and pre-Certification
- Product Branching Strategies.
- RDC (Remote Development Site) Branching Strategies.
- Promotions of fixes/features to Release branches after a formal review process.
- Resolving Complex Code Integrations.
- Knowledge Transfer of RDC Gatekeepers.
- Availability for emergency builds and SCM support.

Software Configuration Management / Build Management

(Mar 2007 – Aug 2008)

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- **(Ericsson Canada Inc.)**
- Configuration management: Base Clearcase, UCM.
- Build Management: Makefiles, scripting, ANT, clearmake.
- Maven Analysis and Design.
- Process Improvement.
- Submission of ideas for innovative products/services.

International Trade/Sales

(Jan 2004 – Dec 2006)

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- **(Shalimar Machinery)**
- Helping my Dad in his business in Pakistan of Shalimar Machinery – International Trade and Sales involving Importing used power generators from Singapore and reselling them to end-users in Pakistan.
- IT Consultancy.

Systems Integration / Information Systems Dev/Support

(Jan 1998 – Apr 2003)

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- **(Ericsson Canada Inc.)**
- Worked in the positions of:
 - **Systems Integration CDMA**

- **Systems Integration TDMA**

- Work related to: System/DB Administration, Software Development, System Architecture, Automating Solaris server/client installation & upgrade, Release Management, Configuration Management, Patch/EC Management, Filesystem layout designing, co-ordination with multiple departments and sites, OSS Server Installation & Upgrade designing & support.

- **Information Systems Development/Support** – Managing Business Management Systems; Financial/Time reporting, Resource/Project Planning, Competence Development. Design Upgrades, Code Debugging/reviews, and Support.

Server/Network Administration / Teaching Assistant

(Jan 1995 – Dec 1997)

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- Foundation for Advancement of Science & Technology – ICS.
- Worked in the positions of:
 - **Server/Network Administration** – End-to-end Network Designing, Setup and Maintenance. Managing Lab Assistants.
 - **Teaching Assistant**

Software Project Management /Development

(Mar 1994 till Mar 1995)

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- Digicom Pakistan (Pvt) Ltd.
- Worked in the positions of:
 - **Software Project Manager** – Hiring, Training, Managing Sales/Technical Staff, Documentation.
 - **Software Engineer** – Server and client software development/configuration for a Nationwide email network.

Academic Projects

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Technical Expertise

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- System Integration, OS/Network Administration, Software Configuration Management (clearcase, perforce), Build management (ANT, make, clearmake), Software Analysis/Development, Databases (Sybase), scripting (shell, batch, Perl). (more listed in cover letter or in detailed portfolio at www.saifkhan.com)

Extracurricular

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- Various sports.
- Student committees.

References

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- Available upon request.

Education

- MCS courses
 - **Foundation for Advancement of Science & Technology - Institute of Computer Science,**
University of Karachi,
Karachi, Pakistan.
 - Total 145 credits BCS+ MCS.
- Bachelor of Computer Science
 - **Foundation for Advancement of Science & Technology - Institute of Computer Science,**
University of Karachi,
Karachi, Pakistan.
 - Major: Software Engineering.

Experience

Development Platform Gatekeeper **RCT (WLAN/Radio)**

Research In Motion **Waterloo, Canada**

(Aug 2008 – Current)

- SCM System: Perforce
- Designing new Branching Strategies for multiple projects, devices and releases.
- Making sure it fulfills department requirements and works with schemas being used in other departments.
- Strategy to support RDC (Remote Development Site) Branching.
- Resolving Complex Code Integrations. Revising code, picking up other related fixes/features.
- Working with developers in manual fixes or other exceptional cases.
- Formal review process to do promotions of fixes/features to Release branches.
- Creating smoke tested Testbuilds for IOT and pre-Certification.
- Knowledge Transfer to remote Gatekeepers.
- 24x7 Support for emergency builds and SCM support.
- Gatekeeper for WiFi and supporting/training other Gatekeepers.

Software Configuration Management / Build Management
SCM & Build Management,
Method & Tools Group

Ericsson Canada Inc.
Montreal, Canada

(March 2007 – Aug 2008)

- Assisting in Software Configuration Management: Base Clearcase, UCM.
- Base Clearcase branching strategy, configspecs; UCM streaming strategy.
- Build Management.
- Scripting, ANT, Makefiles, clearmake.
- Creating New and Redesigning build systems.
- Streamlining my group's Unix and Windows settings.
- Analysis & Designing of repository layout of Maven; comprising of internal Corporate repositories, Project repositories and external repositories on Internet.
- Designing packages and their layouts in Clearcase.
- Submitting new innovative ideas to Ericsson. Submitted 5 ideas to Idea submitting Portal.
- UCM Training.
- Maven training.

Shalimar Machinery
Karachi, Pakistan

(Jan 2004 – Feb 2007)

- International Trade and Sales.
- Importing Used Soundproof Diesel power Generators from Singapore.
- Selling them to end-users in Pakistan – Home, Office and factory users.
- Managing technical staff.
- Managing site transportation and installations.
- Customer Support.
- Pakistan is one of the most difficult places to run a business. The level of complexity rivals African and South American countries. The system/infrastructure is not good and one has to be extremely thorough. This provided me with a unique learning opportunity to manage a business and deal with all the problems.

IT Consultancy
Karachi, Pakistan

- Office Network, Server and Application Setup.

Systems Integrator CDMA
CNM/PNM OSS, Product Unit – CDMA

Ericsson Canada Inc.
Montreal, Canada

(May 2002 – April 2003)

- Designing packages and their layouts in Clearcase.
- Scripts to generate builds and maintaining proper revision control - Tagging/configuration specs.
- Scripts to automate Installation of Software packages and partial commissioning.
- Dimensioning / Configuration Directions. Analysis, providing templates to designers, passing results to the CORE Integration group.
- Working with the CORE Integration Group for passing our requirements to them and to align CNM/PNM with their installation setup/guidelines.
- Server Installation/Maintenance for Design and Test Teams.
- Installing and maintaining Jumpstart Servers.
- Making templates for documents and writing Documentation: Installation Instructions, Upgrade Instructions, Release Notes.
- Making an EC (Emergency Correction) process, making and helping designers in generating ECs.
- Designing Upgrade Methodology in coordination with the designers, making an Upgrade installation.
- Layout and making CD generation scripts for Software and Documentation CDs.
- Managing Maintenance project of existing versions running in parallel to the planning of the next project.
- Working with Product Handling for developing Product Structures.
- Writing Integration IP (Implementation Proposal) for the next project and contributing in other IPs.
- Helping the Architecture group in designing Upgrade process for future projects.
- Helping Designers/Integrators and Testers so they can continue with the Functional aspects of the system.
- Participating in technical and managerial meetings for future projects and providing recommendations based on my integration experience.
- Got training in SUN Solaris Server Administration.

Systems Integrator TDMA

OSS CORE Framework Group / Systems Integration Group, Product Unit – TDMA

**Ericsson Canada Inc.
Montreal, Canada**

(March 2000 – May 2002)

- Designing OSS Master Server Installation Framework: Initial Installation / Upgrade from earlier versions to the current version. Upgrade work included OS Upgrade, Database Upgrade, File system relayout and other 3PP and inhouse related upgrade issues. These two were the biggest upgrade projects done in OSS.
- Coordinating the technical aspects for the CORE Integration Team. Gathering requirements from different design teams and integrating them into the installation framework. Distribution of Installation/Upgrade related tasks amongst the CORE Integration Team. Forwarding requirements and coordinating Integration activities with integrators from other Product development groups.
- Understanding the Platform coming from EHPT made for GSM and familiarization with the Installation process. (Platform consists of the OS + DB Server + Base Application Suite both inhouse and 3PPs)
- Integrating and customizing the installation mechanism (which was directed towards GSM) with our (TDMA) System/Integration requirements, e.g. making the installation work for different Server Configurations: MA, MB, MC, Model D (a two server configuration) and also for Link Server, File Server and Workstations. This was done while preserving the EHPT design for future compatibility and upgrade options by introducing hooks in the main EHPT Installation Framework.
- Designed the framework of steps following which an Upgrade Installation would fit on top of an Initial Installation for the Platform and where CORE and other Development Groups could put their steps to be done; e.g., pre-jumpstart, post-jumpstart, post-ist_run etc. Mentoring other integrators.
- Designed a new Jumpstart approach to make installation framework more automated and user friendly, while preserving the CD Installation structure. This automated most of the server installation process.
- Creation of an installation process for a Jumpstart PC Laptop running Solaris. Creating setup and usage documents so other design teams, testers and the Roll-out department, could use this easily.
- Structuring for Jumpstart Servers: Development Jumpstart Server, Release Master Jumpstart Server, Client (Acceptance/Roll-out/FOA) Jumpstart Servers
- Installation and Support of Test Servers. Platform Setup for other teams / System Integration Testing.

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- Working with the Testing and Acceptance teams; Mentoring and helping them in their work on the new release.
 - Transferring knowledge to Certification, FOA and Roll-out team regarding OSS system dimensioning and installation.
 - 24-hour on-call support for FOA (First Office Application) and remotely working with the FOA Team.
 - Review of two internally developed Dimensioning Tools – results based on design flaws, rigidness versus flexibility and future requirements.
 - Managing Lab with a range of SUN Servers, troubleshooting and coordinating with the SUN Representative on hardware issues.
 - Got training in VERITAS Volume Manager / File System to manage large Disk Configurations for increase in Availability and Performance.
 - Streamlining of processes related to OSS Integration.
 - Work on TRs (Trouble Reports).

Information Systems Development/Support
Information Systems Department (Tools Development Group LMC/EID)

Ericsson Canada Inc.
Montreal, Canada

(January 1998 – February 2000)

- Managing locally designed Business Management Systems.
- The systems included:
 - Financial (personnel, time-reporting, billing, project reporting)
 - Resource/Project Planning
 - Competence Management
- From time to time, upgrading these Systems according to new Organizational policies ranging from minor changes, to adding modules and to bridging databases with other systems.
- Ongoing Enhancement and Maintenance of Business Systems of Ericsson Canada Inc. - Design Modifications, Performance Issues.
- 1st and 2nd level support for these Systems.
- Y2K Compliance Project for these Systems. Revising the designs for each system. Some needed minor changes but some needed in-depth code revision and modifications.
- Database Management for the Systems.
- Other tasks/activities are:
- Got training in Java and UML/Objectory Process along with some other tools for designing and developing new applications.
- Requirements Analysis for developing a new Resource Planning Tool.

Research Officer / Network Administrator

Foundation for Advancement of Science & Technology – Institute of Computer Science.

Karachi, Pakistan

(January 1996 – December 1997)

- Network Setup/Administration.
- Expanding Computer Labs and setting up multiple NT, Netware and UNIX servers, print servers.
- Acquisition of Hardware (Servers, PCs, peripherals) - Making Requirements Spec, market research, doing a Cost-benefit Analysis and providing the results and recommendations to management.
- Project to set up a local Web Server, Mail Server and a Remote Access Server for students to Dial-in and transparently access all the resources of the network (Microsoft/Netware and UNIX).
- Testing and Upgrading the Network with new versions (Servers and Workstations), development tools and other application software/utilities.
- Hardware Troubleshooting.
- Scheduling monthly Lab re-installations.
- Training & mentoring of Lab Assistants.

Teaching Assistant

Foundation for Advancement of Science & Technology – Institute of Computer Science.

Karachi, Pakistan

(Spring 1995 – Fall 1995)

- Assisted Professors in Computer Science courses.
- Supervising student software/hardware projects.
- Counseling students.
- Conducting Project demos, grading tests, preparing semester result sheets.
- Organizing & conducting Electronics Labs.
- Assisting in Network Administration and Setup.

Software Project Manager
Digicom Pakistan (Pvt) Ltd.
Karachi, Pakistan

(August 1994 – March 1995)

- Setup a branch office.
- Participation in interviewing for hiring technical support & sales staff.
- Testing of the Nation-wide E-mail Network.
- Administration of the Network.
- Product orientation and tutorials for Sales Staff.
- Training of Technical Staff.

Software Engineer
Digicom Pakistan (Pvt) Ltd.
Karachi, Pakistan

(March 1994 – July 1994)

- Headed the development of a real time accounting system for users logging on to the E-mail network.
- Designed a Mail User Agent following RFC-822 standards on MS Windows.
- Configuration and Documentation of UNIX systems for delivering E-mail and News for all branch machines.
- Redesigned and integrated several programs to form a software package, which included an E-mail module, a News Forums module and a dial-up software.

Major Academic Projects

- Developed a simulation of a Batch Type Multiprogramming Operating System.
- mini Pascal compiler in PROLOG.
- 4th All Pakistan Software Competition & Exhibition presenting a Mathematical Software based on Numerical Methods.
- A Real Time Ring Monitoring System in MS Windows in Borland C++.
- Analysis of the Payroll System of IBL (International Brands Limited) and proposed solutions to the flaws and for new enhancements along with an initial cost benefit analysis.
- Multiple base Scientific Calculator.
- A Library Management system in Oracle.

Technical Expertise

- Configuration Management: Base Clearcase, UCM, Perforce.
- Build Management.
- Makefiles, ANT, Scripting, Clearmake.
- Maven.
- Experience in C, C++, Prolog, Pascal, Assembly, PowerBuilder, Perl, UNIX Scripting, Java, RPG, COBOL.
- Sybase, MS Access (for rapid development of light usage multiuser applications / as a Data porting and data bridging utility between different DBs), Database Administration, Analysis & Designing Data Migrations, Data Transfers scripting, Oracle.
- UNIX Administration.
- Network/System Designing, Installation and Administration.
- RDBMS modeling and related tools (Power Designer).
- Solaris, Windows, OS/400, AIX, VMS, DOS :o)
- VERITAS Volume Manager / File System.
- Configuration Management Tools: Clearcase and Clearquest.

My level of expertise in most of these is Average. I have learnt to advance as my work demands. I believe the important thing is to be able to learn, improve and mold oneself as required.

Extracurricular

- Class Representative for three consecutive years at the University.
- Member of the Sports Committee in University.
- Awarded Best Prefect for 3 years in High School in Grade 8, 9 and 10.
- Sports: Squash, Table Tennis, Volleyball, Badminton, Soccer, Field Hockey etc.
- A project for AIESEC with students from AIESEC Japan involving UNHCR, UNICEF, various local NGOs.

References

- Available upon request