

Sammy Yousef

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Summary

Over twenty-five years of experience in software design, development, delivery and customer support working on high value critical systems. A career spent liaising with staff at all levels in banking, insurance, retail and export. Adept at applying creativity and logic equally to system design and troubleshooting. Business focused and a good communicator. Often requested by name to work on customer projects. Proven track record working with or leading small to medium sized teams, mentoring junior developers and participating in recruitment.

Technical Experience

Commercial Experience

Programming languages: Java, C, Pro*C, C++, JavaScript, CSS, HTML, XML, Visual BASIC and VBA, PowerBuilder, Smalltalk, DataFlex, Powerflex, SQL (MS Transact-SQL and Oracle PL/SQL), Oracle Forms, Bash scripting, PowerShell

Development tools: Eclipse, Spring Tool Suite, IntelliJ Ant, Maven, Jenkins, Subversion, CVS, IBM Visual Age Java, IBM Visual Age Smalltalk, Symantec Café, Visual Basic

Design tools: Rational ROSE, ERWIN, MS Visio

Project Planning: MS Project

Frameworks: J2EE (JavaMail, JAXP, JAXB, JSP, EJB2), Spring, Hibernate, Struts, Tiles

Middleware: WebLogic Server, Apache Tomcat, Tuxedo, MQSeries, SWIFT Alliance Access Server

Databases: Microsoft SQL Server, Sybase SQL Server, Oracle, Microsoft Access, and Paradox

Operating systems: Windows, UNIX/Linux, MS-DOS, OpenVMS

Networks: TCP/IP (Windows and UNIX), Lantastic, Novell

Academic and Hobby Experience

C#, Delphi, Eiffel, VRML, Pascal, Perl, Python, COBOL, Lisp, Prolog, x86 assembly language

Employment History

Reserve Bank of Australia

Senior Developer - February 2005 - September 2024

Technical Lead - September 2024 - January 2025

Team Lead - January 2025 - Present

Achievements

- Acting manager for a team of six on several occasions for duration of up to one month. Tasks included:
 - Resource allocation and project planning
 - Attending project planning, change approval and management meetings
 - Recommending a course of action for project and support work
 - Staff administration, task allocation and follow up
- Designed and developed major enhancements to the RITS transaction settlement queue and overnight processing including introduction of Targeted Bilateral Offset (TBO), Funds Reservation, PEXA Property transactions and Fast Settlement (FSS) System transactions for New Payment Platform (NPP)

In the 12 months to October 2014, RITS settled on average around 42 000 RTGS transactions each day, with an aggregate daily value of over \$164 billion. On the peak value day in that period, RITS settled around 50 000 RTGS transactions with a total value of \$258 billion.¹
- Design and Lead development of Property Feeder interface for PEXA batch transactions. Included estimation, project planning, message format specification, liaising with PEXA developers
- Design and led development and support of a C based SWIFT ADK component for a sanctions screening system. This integrated with SWIFT Alliance Access Server to route messages based on screening results

¹ <http://www.rba.gov.au/payments-and-infrastructure/rits/self-assessments/2014/pdf/2014-assess-rits.pdf>

- Participated in software upgrade of mission critical components to work with later versions of Oracle
- Replaced existing Telnet terminal screens with web-based GUI components using a variety of J2EE technologies such as EJB2, JavaScript, Struts, JSP, Hibernate later moving to lighter weight frameworks including Spring
- Improved documentation of the team's J2EE/Struts debugging environment
- Resolved difficult code errors using debugging tools in a legacy Pro*C/Oracle system on VMS
- Supported Microsoft SQL Server data warehouse data import and operation
- Migrated build scripts to Jenkins based Enterprise Release Platform
- Migrated all team projects in CVS code repository to Subversion while preserving history
- Developed and implemented a source code audit strategy to ensure enhancements and fixes were consistently applied on different source code branches.

Duties

- Support and ongoing software development of the Reserve Bank Information and Transfer System (RITS) and other systems. Includes analysis, design, project planning, development and testing for both user interface and backend components
- 24 hour on call and on site level 2 and 3 support including after-hours support on a roster
- Participation in weekend implementation, site rotation and business resumption testing
- Advanced software debugging and troubleshooting
- Code reviews and code security audit and remediation
- Evaluation of new tools and technologies
- Documenting technical procedures including build and release procedures, troubleshooting, and environment setup
- Producing release handover documentation
- Writing and contributing to technical and business reports
- Liaison with other teams and third parties to achieve development and support goals
- Preparation and delivery of presentations to other teams and senior management
- Participation in recruitment panels and graduate committee including responsibilities for designing interview questions and conducting and reporting on candidate interviews
- Mentoring of junior developers and new team members

Sandstone Technology Pty. Ltd.

Information Technology Consultant - August 1999 – February 2005

- Successfully designed, developed, tested, delivered and maintained a wide variety of software including n-tier internet banking and online insurance front-ends, corresponding intranet back-ends, integration servers, and stand-alone clients
- Highly regarded by clients - requested as a specific resource to be loaded to one client for unrelated consulting
- Acted as company representative and sole on-site developer for development work and design workshops when required, and small teams of 2 to 3 at other times
- Provided technical advice to management, business analysts and testing client staff
- Packaged software for deployment, preparing documentation including product manuals, testing, release, and migration documentation
- Provided level 2 and 3 phone support for systems developed including 24 hr on call support
- Successfully conducted troubleshooting and problem investigation, formally reporting on production and user acceptance test issues
- Engaged in hardware and software installation as required in a small company setting, including involvement in maintaining a secure internet presence
- Systems based on company products were typically written in Java and Smalltalk interfacing via ODBC to Sybase SQL Server, MS-SQL Server or MS-Access databases, which were integrated to back end core systems and third party software as required.
- Designed and built software tools for use in development and on client production systems. These included a message validating Java proxy server, XML document parsers in Java and Smalltalk, and productivity tools for developers in C, Java, Smalltalk, MS-Access VBA and using windows batch files

PricewaterhouseCoopers**Information Technology Consultant** - November 1997 - July 1999

- Participated in analysis, design and development and successful delivery of a vehicle information system for a car finance company, in a small team setting
- Designed and developed data export batch programs (windows batch), PowerBuilder data entry screens, Tuxedo services and stand-alone clients (Microsoft Visual C and UNIX C++)
- Successfully implemented a Visual Basic API for data import and financial calculation, used to ensure consistency of the behaviour and to verify correct calculation of Tuxedo services
- Maintained a technical infrastructure and environment including the creation of make files and Tuxedo configuration files at the team and project levels
- Created and maintained project-wide data models using ERWIN
- Estimated software development effort for a small team
- Performed troubleshooting and development of user acceptance test and production environments
- Optimised code and performed performance analysis
- Prepared programming tutorials for programmers new to the environment
- Coordinated code migration between development and user acceptance test environments
- Clients included a finance company, bank, and major department store

University of Technology, Sydney**Lecturer** - Part Time 1999

- Lectured the subjects "Systems Programming" (Autumn semester) and "Applications Development with Visual Basic" (Spring semester), updating prepared curricula as needed
- Coordinated week to week running of the subjects with permanent staff, including guest lecturers and teaching assistants
- Developed grading schemes for assignments, performed assignment grading, supervised grading by teaching assistants, and settled student disputes

University of Technology, Sydney**Computer Laboratory Assistant** - Part Time 1996, 1997

- Provided student support in troubleshooting software development
- Graded students assignment and tutorial submissions

Silicon Crafts Pty. Ltd.**Computer Programmer** - November 1993 - December 1994 (F/T), June - July 1995 (Casual)

- Tailored export software to specific client needs, including data entry and reporting modules
- Converted a variety of software interfaces from Powerflex (DOS procedural) to DataFlex for Windows (object-oriented), learning object-oriented principles in a sink-or-swim setting
- Sole developer of and vendor liaison for EDIFAX fax transmission software (DOS and Windows versions) and EDITELEX telex emulation software, based on EDI standards, communicating on Telstra's AS400 network via the CONNOTC communication module
- Designed and developed in-house tools for improved developer productivity
- Installed, configured and tested software on client and vendor sites

Education**Master of Astronomy with Distinction**

2000 - 2002

University of Western Sydney

High Distinction in 8 out of 9 subjects

Bachelor of Science (Computing Science) Honours First Class

1995 - 1997

University of Technology Sydney

Graduated 4th in order of merit in Computing Science

Returned as a part time lecturer by request

Faculty Board Student Representative, Publicity Officer Programming Society

Electives included: Artificial Intelligence (Machine Learning, Knowledge Based Systems), Languages And Translators, Quantitative Modelling, Graphics

Statement of Attainment (C programming)

1994

TAFE NSW

Certifications and Short Courses

Azure DevOps Engineer Expert (AZ-400) Cert Prep: Introduction	2024
Learning Docker	2024
Cloud Native Twelve-Factor and Fifteen-Factor Applications	2023
First Look: Java 10 and Java 11	2020
Git: Branches, Merges, and Remotes	2020
Git for Teams	2019
Python Basics for Java Developers	2019
Ethical Hacking: System Hacking	2019
Node.js Essential Training	2019
React.js Essential Training	2018
Continuous Integration and Continuous Deployment	2017
Upgrading Your Skills to SQL Server 2016 (10986)	2016
Implementing a Data Warehouse with Microsoft SQL Server (20463)	2016
PRINCE2 Foundation Certificate	2016
Leadership Development	2016
Java SE 8 New Features	2016
Leadership Foundations Course	2015
ITIL Intermediate Certificate - Release, Control & Validation	2014
ITIL Foundation Certificate	2014
HP TRIM 7.1 Level 1 and Level 2	2012
Hack Your Own Code (OWASP Secure Programming)	2012
Advanced TIDAL Administration	2010
Visual Basic For Applications Excel 2007	2010
Developing SWIFT Alliance Access Plug-ins with ADK	2010
Spring Core Web Services	2009
Technical Writing	2009
Think On Your Feet	2009
Core Spring	2007
Advanced JBoss Hibernate Training	2006
BEA Tuxedo Intensive	1998
Oracle Forms Developer/2000 Forms 2	1998
PricewaterhouseCoopers MITIS Consultant Training (8 weeks, Florida, USA)	1998

Personal Interests

Photography, Science and Astronomy, Aviation, Guitar, Chess, Programming.