# PRAKASH SOMASUNDARAN C:\Users\Prakash\Desktop\Prakash_23_03_2019.JPG

# Chennai

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**IT PROFESSIONAL WITH 26+ YEARS OF EXPERIENCE - 14+ YEARS IN DATABASE ADMINISTRATION**

* Project Advisor – IIT Madras - Ocean Engineering
* Senior Manager - Product Engineering
* Senior Manager - Infrastructure & Applications and operations.
* Expert Data Architect
* Extract, transform, and load (ETL) data from various source systems into the data warehouse as well as provide data integration between business applications utilizing T-SQL and SSIS;
* Develop dashboards, reports, key performance indicators (KPIs) and metrics utilizing SSRS, Cognos TM1 and other front-end reporting tools;
* Proficiency in T-SQL, with the ability to understand, formulate and create efficient queries, views and stored
* Procedures to prepare data for ETL, ad-hoc requests and presentation within the reporting tools.
* Monitor and resolve support issues related to the BI/data warehouse platform.
* Posseses deep technical expertise in database design and ETL consulting experience utilizing an agile delivery methodology using SSIS
* Full SDLC and Data Modeling experience
* Knowledge of dimensional modeling
* Ability to create both logical and physical data models
* Excellent written and oral communication skills
* Mentors and develops junior staff though knowledge transfer
* Knowledge of SQL Azure
* Performance Tuning in Cloud (SQL Server Azure)
* SQL Tuning and Database Performance Tuning
* Solution Design and POC
* Data Science using R programming
* Expert Senior DBA
* Worked as Lead Production DBA with Fidelity Investments,Bangalore.
* Datacenter Disaster Recovery Drill
* Expert in Administration, Installation, Configuration, Upgrade, Monitoring, Performance Tuning, Backup & Recovery, Disaster Recovery drills on Sybase System 12.5 and MS SQL Server 2000/2005/2008/2012/2016.
* Expert in MS SQL Server 2012 Clustering admin, troubleshooting, setup.
* Good in logshipping in SQL Server 2000.
* Well versed in development of application systems using C, Visual Basic 6.0, Java 1.2, HTML 4.0, Java Script, ESQL /C and PRO-c.
* Knowledge of various vertical market applications including mission critical applications like Banking, Insurance, Health Care and Real Time Systems like Intelligent Building Automation System.

**Educational**

* B. E (Computer Science), Bharatiar University, 1993

**Certifications/ Trainings:**

* Advanced Java: NIIT LTD
* Data Science using R:LiveWire

**Expertise:**

* SQL Server, Sybase , Oracle , MySQL , Informix , C , VB , Unix
* Proficient in analyzing information system needs, evaluating end-user requirements, custom designing solutions, troubleshooting for complex information systems management.

**TECHNICAL SKILLS**

* **Languages:** SQL, PL/SQL, C,ESQL/C,Pro-C, COBOL, C-ISAM, Shell Scripts, VB 6,Java,R programming
* **Hardware/OS :** IBM AIX, Sun Solaris, AT&T UNIX, HP-UX, SCO UNIX, Linux, Novell NetWare, Windows 2000 Advanced server, Windows 2000 professional, Windows 2003,Windows NT 4.0, MS DOS
* **Database:** Sybase System 12.5.1, MS SQL server 2000/2005/2008/20012/2016 MS SQL Server 7.0 / 6.5 / 6.0, SQL Server 2005 Express Edition, Oracle 9i , MS Access 98, Informix SE 5.0, Informix Online 4.01 UE2
* **Software:** DBartisan, Power Architect 6.0, Visual Basic 3.0 / 4.0 / 5.0 / 6.0, Crystal Reports 8.0, Info pump 3.0,DTS,SSIS, Lotus Notes 2.0, HTML 4.0, Java Script, MS Front Page 97, X-works, IIS 4.0, DataStream, ACE Reports, Sybase 12 Replication server, SQL Server 2000 replication ,SQL Server 2005 Web Synchronization Replication, SQL SERVER 2012 clustering, Quest Central, MS Project 2003

**PROFESSIONAL EXPERIENCE**

**Indian Institute of Technology - IIT Madras - (June 2016 till date)**

**Project Advisor- Ocean Engineering Department**

The centre for Industrial Consultancy and Sponsored Research (IC&SR) was set up in the early seventies to

promote interaction between the Industry and the Institute.The centre for IC&SR is an independent section of the Institute, headed by a Dean. Over the years, this centre has played a vital role in bringing together the people from the Industry and the faculty of the Institute resulting in important contributions to design and development in the country.

Woked as a Project Advisor in Ocean Engineering Department responsible for end-to-end delivery of projects.

Responsible for design,development,testing,Implementation of GIS(Geographic Information System) based Land Management System for Paradeep Port Trust.

Responsible for design,development,testing,Implementation of GIS(Geographic Information System) based Land Management System for Paradeep Port Trust. Make and share maps and query them. This is possible with ArcGIS Online, a scalable and secure software-as-a-service hosted by Esri.

* Solution Presentation to Client
* Design and Development of Land Management System
* Import / Export Data
* Database Design
* Designing Primary Keys and Foreign Keys
* Design and Development of Reports
* Design and development of New Quarters allotment form
* Create a public domain for Paradeep Port.
* **A local IP was assingned which allowed the web site to be internally visible.**
* **After successful completion of the test run NAT ID was assigned for external Visibility.**
* **Once NAT ID was assigned Domain Name was resolved with GO Daddy.**

**Technology Used: MS SQL Server 2016, JSP (Java Server Pages), JavaScript, MS EXCEL-97,TOMCAT,HTML,CSS.**

**YTT Mobile Solutions Pvt Ltd ,Thrissur (August 2014 till May 2016)**

**Senior Manager/Project Manager- Product Engineering**

YTT is a global service provider for Information Technology. It focuses on Product Engineering,Mobile Application development(Windows,Android & IOS) for applications like ERP/CRM,Restaurant POS,GPS-Tracking for vehicles,Online Media Solutions,Que Management system,E-learning etc.

Manage a team of software developers developing mobile applications in Phonegap(HTML,CSS,& Javascript) and MS SQL Server 2008.Also windows applications were developed in .NET and MS SQL Server 2008.

One of the application YTT had developed was RouteRide.RouteRide has features for all sales activities (Invoicing/Sales Return/Receipts/Stock Rotations).This solution can be used for Market Survey,Asset Tracking etc.

Modules included in RouteRide are as follows:

* Customer History
* Routing and Scheduling
* Sales (Online through GPRS) and offline
* Accounts Receivable
* Inventory Management
* Market Survey

RouteRide can be integrated with any ERP system with miniml effort.Features/Modules can be turned off

Without affecting other working modules.

Involved in entire life-cycle of the product development like:

* **Innovation**
* **Reduce development times in order to bring new products to market faster**
* **Product architecture**
* **Product design**
* **Consulting**
* **Implementation**
* **Support**
* **Integration and migration**
* **Data Modelling**

 **Technology Used: MS SQL Server 2012,VB.NET,HTML5,Javascript,CSS**

**UST Global, Bangalore, (Jul 2009 till August 2014)**

Lead offshore Application Support (October 2013 till August 2014)

Sr. Database Architect, (Apr 2010 till September 2013)

Sr. SQL Server DBA, (Jan 2010 – Apr 2010)

Consultant, (Jul 2009 – Dec 2009)

Project: Healthcare Vertical - Lead Offshore Application Support (October 2013 till date)

* Independence Blue Cross(IBC) is a healthcare insurance provider in the US
* Infocare is a medical application used to pre-enroll applicants to various plans of IBC
* Visited Onsite for Knowledge Transfer for 3 weeks
* Worked on production tickets at onsite
* Came back to offshore and set up an offshore team of 5 members
* Was offshore lead for the same team
* Transitioned back to offshore team
* Ensured smooth operation of offshore team
* **De-coded the PRO-C code for changes in US 60 Medical Plan (new /upgrade) for New Year 2014**
* **Did a complete impact analysis and implemented these US 60 changes for year 2014 before 2013 Year End.**

 Technology used: Oracle 10G, Unix SunOS 5.10, PL/SQL, PRO-C

**Project:** Information’s Services, UST Global, Sr. Database Architect, (Apr 2010 till September 2013)

Information Services of UST global takes care of all IT needs of the company like network, OS, database and hardware. It has got a Service desk and also 24 X 7 production support operations. It also has got an Information Management team which caters to the needs of various departments like HR, Payroll, Resourcing, Sales Force, Finance, Accounting etc. Besides this it provides dash board reports to CIO’s, CEO’s, Account Managers and PM’s to track and monitor health of projects across all business units in UST.

* + Function as Database Architect with 20 senior software engineers involved in various enterprise applications including analytics application, design & architecture of the enterprise database.
	+ Involved in evaluation of products like IBM Information Analyzer and IBM Meta Data workbench.
	+ Manage L3 SQL Server DBA, SQL Server Best practices for PMs, SQL Server Performance & Tuning, SQL Server 2005 to SQL Server 2008 Upgrade plan, Database Modelling for Software Asset Management Database, Database Architecture review, Interacting with Stakeholders like Finance Head, HR Head etc; Consultant for Integration team
	+ Focus on escalation management, solution design, people management, mentoring & coaching Fine tuning of Elien BPO database for performance, database archival solution for Elien DBO application; encryption solution for People Soft Database
	+ Highlights:
	+ **Appreciated by Program Manager of IS for successfully troubleshooting performance issue in the Production Server resulting in reduction of average CPU utilization from 100% to 60%.**
		- **Gathered NOC(Network Operations Centre Reports).**
		- **Created Profiler Server Side Scripts**
		- **Scheduled Profiler Traces using SQL jobs and Performance Monitor to run at 12.00pm (IST)-12.30pm.**
		- **Anlayzed the SQL Traces-Correlated Performance monitor peak(CPU) with the Profiler Traces SQL query.**
		- **Identified bottleneck queries and found that Indexes were missing in 5 tables.**
		- **The production server max out was a result of Table scan in these 5 tables.**
		- **Added Indexes to theses tables and the Server CPU utilization was brought down to 60% from 100%.**
	+ Played key role in proposal of Database archival Solution for Elien BPO database .
	+ Developed a POC for SQL Server Encryption Solution for People Soft Database .
	+ Performance Tuning of SQL query for Information Services
	+ Troubleshooting application for slowness for Information Services.
	+ Troubleshooting slowness in cloud application for G4S
	+ Cloud database System Monitor performance counters were analysed using DMVs.
	+ A replica of Cloud production database was created in on-premises server.
	+ Profiler Traces were run on on-premises server/database.
	+ Slow running queries were identified and fine tuned.

* + Troubleshooting timeout issues in the application for Information Services
	+ Troubleshooting tempdb log full issues for KPMG.
* Suggested SQL Bacthes ,Commit,and frequent Transaction log dumps.
	+ Database tuning on Sales Force MySQL Application
	+ Technology used: Windows server 2003, SQL Server 2005, SQL Server 2008,MySQL 4.1
* **User Provisioning System and Work Request for Tribune, Chicago, USA, Jan 2010 – Apr 2010**
	+ Liaised with the onsite team pertaining to collation of requirements, participated in day to day stand-up meetings and brainstorming sessions. The project was based on Agile – Scrum based

Methodology.

* + Involved in design of Database synchronization task from Inventory Database to User Provisioning database and coding database synchronization tasks in SQL.
	+ Mapped several source tables mapped into a single target and ensured massaging of data.
	+ Involved in design & development of SSIS packages for SharePoint to database Integration using codeplex control.
	+ Used several controls like Slowly Changing Dimensions.
	+ Technology used: Windows server 2008, SharePoint 2007 MOSS, SSIS, SQL Server 2008
* **GAMA (G.A Menon Academy), Jul 2009 – Dec 2009**
	+ Functioned as Coach for the ILP program for Campus joinees to align with UST values and culture and process.
	+ Conducted Sessions for a batch of 30 new joinees on SDLC Phases, SDLC Lifecycle Models, Database Design and Normalization.
	+ Assisted the batch in Mini-project in C Language, SRS (Software Requirement Specs) preparation, HLD (High Level Design) preparation, LLD (Low level Design) preparation, C Coding, preparation of Unit test case, Integration and Integration Test case.
	+ Technology used: Windows XP, Turbo C

**ING life, Bangalore**

Sr. Manager - IT infrastructure & Operations, Jun 2008 – Jul 2009

* Managed application production support of around 25 applications including L2 level application support & production database support of over 50 SQL Server databases.
* Led a team of 8 support engineers, involved in evaluation/driving proposals with vendors, management of internal projects & outsourced vendors.
* Liaised with development team in resolution of L3 issues, set up & documented database management procedures, standards, technical information and guidelines.
* Liaised with vendors regarding new products & technologies and led the team in resolution of production issues.
* Managed Planned and Unplanned Outages in the datacenter.
* Liaised with the Top Management & business users on progress of resolution of issues.
* Upgraded workflow management software (IBM Filenet 3.5 to Filenet 4.0) with IBM.
* Technology used: Windows 2003, SQL Server 2005, Filenet 3.5, Websphere 6.0, Java SE 6

**Wipro Technologies, Bangalore (Aug 2006 – Jun 2008 & Feb 2002 – Aug 2005)**

Lead Consultant - Database Practice (BFSI), Aug 2006 – Jun 2008

* Led end to end solution design & development of database applications to 24 x 7 DBA services.
* Functioned as SQL Server/Sybase Technical Head for entire BFSI practice and coordinated with presales team in RFP’s for potential customers in solution design and estimation.
* Rendered consultancy to various projects/accounts pertaining to database related best practices and issues.
* Assisted potential customers to migrate to ASE 15 from older versions of Sybase post evaluation of features.
* Technical Project Manager and managed a team of 7 architects for Lloyds TSB CRAS CTP project in London for Basel -3 compliance changes & its impact on enterprise data .Created multidimensional cubes using SSAS and generated reports in SSRS.
* Technology used: SUNOS 5.8, AIX, Sybase Adaptive Server Enterprise 12.5.2,SQL Server 2005,SSAS

Other Assignments in brief

* Database Consultant - Data migration COE, Feb 2005 – Aug 2005
	+ Technology used: SUNOS 5.8, SUSE Linux, Oracle 9i, SQL 2000, Sybase Adaptive Server Enterprise 12.5.1, SWISSQL
* Specialist, Feb 2002 – Jan 2005
	+ Project: PNIAM Proximus , Jan 2004 – Jan 2005
		- Technology Used: SUNOS 5.8 Sybase Adaptive Server Enterprise 12.5.1
	+ Project: Sybase / Linux Testing, Oct 2003 – Jan 2004
		- Technology used: SUNOS 5.8 SUNFire-280R, Linux 2.4.9-e.25 enterprise, Intel Xeon 2.8GHz, Sybase Adaptive Server Enterprise 12.5.1
	+ Project: FCAT Production support, Feb 2002 – Oct 2003
		- Technology used: Sybase 11.9.2, SQL Server 7.0 SQL Server 2000
* **Lead DBA - FMRCO DBA Services, Fidelity Investments, Bangalore, Aug 2005 – Aug 2006**

FMRCO DBA Services

* + - Description: Fidelity manages over US$ 1.2 trillion in assets for more than 20 million investors. Fidelity Management & Research Company (FMR Co.) is the investment management arm of Fidelity Investments. FMRCO DBA Services provides 24 X 7 DBA support for around 2000 databases which are Oracle, Sybase , MS SQL 2000 and databases.
	+ Roles & Responsibilities:
	+ Visited Boston for a period of 45 days for knowledge acquisition.
	+ Installed Sybase using resource files.Setup Sybase Warm Standby replication. Set up MS SQL Server Snap Shot Replication.
	+ Installed Oracle 9i.Setup **Oracle Multi Master Replication** as a part of the training.
	+ After the knowledge acquisition was part of the Onsite/offshore production support team which consisted of the following activities.
	+ DB Day Primary: All database related issues like database creation, locking issues, performance issues, replication issues are logged in as a PACE ticket which the primary DBA takes care .These are typically Severity 3, Severity 4 and Severity 5 tickets which are less critical.
	+ DB Day Backup: The Backup DBA takes care of monitoring jobs like autosys and DBCC jobs.
	+ On call Support: Providing 24 x 7 and weekend Support remotely on a need basis for Severity 2 tickets (Very Critical Tickets).
	+ **Disaster Recovery Drill: Was part of the team and was involved in disaster recovery operations by simulating a switch over of Merrimack Data Center to Boston Data Center. The DR centre was primarily set up using Oracle Data Guard.**
	+ Appreciation from Senior VP of FMRCO for the successful completion of the drill.
	+ Technology used: SUNOS 5.8, AIX, Oracle 9i, Sybase Adaptive Server Enterprise 12.5.1, MS SQL 2000/2005, Oracle 10G

 **PREVIOUS ASSIGNMENTS IN BRIEF**

* **Primus Software Corporation, USA, Oct 1998 – Jan 2002**
	+ Project: Sybase Production DBA for Cereon Genomics, Oct 1998 – Jan 2002
		- Technology used: Sun SPARC Systems, Sun Solaris 5.2, Sybase System 11.5.1, Oracle 8.1.6, and SQL \*Loader, DB Artisan 5.2, and Power Architect 6.0
	+ Project: SQL Server Development DBA for GreenTrak, Sep 1999 – Jul 2000
		- Technology used: PC Pentium, Windows NT 4.0, MS SQL Server 7.0, MS Access 98, Visual Basic 6.0 and Crystal Reports 7.0
	+ Project: Sybase DPU Production DBA for IBM Austin, Oct 1998 – Aug 1999
		- Technology used: PC Pentium, DRS-6000 (RISC), Windows NT 4.0, IBM AIX 3.2.1, Sybase Adaptive Server 11.9.2, Power Builder 6.0 and Infopump 3.0
* **SQL Server Developer, Optimum Solutions Pte. Ltd., Singapore, Sep 1997 – Oct 1998**
	+ Project: RECODA for UBS (Union Bank of Switzerland Singapore).
		- Technology used: PC Pentium, Windows NT, MS SQL Server 6.5, Visual Basic 5.0, HTML 4.0, Java Script, MS Front Page 97, X-works, IIS 4.0, DataStream and SQL
* **DBA/Systems Analyst, Eutech Cybernetics Pte. Ltd., Singapore, Feb 1996 – Sep 1997**
	+ Project: Patient Centred Care Planning System (PCPS) for Center for Medical Informatics (CMI), Singapore, Jun 1997 – Sep 1997
		- Technology used: MS SQL Server 6.0 and Visual Basic 4.0
	+ Project: Accident & Emergency System (A&E) for Kandang Kerbau Hospital (KKH), Singapore, Feb 1997 – Jun 1997
		- Technology used: Visual Basic 4.0, Oracle 7.2, Crystal Reports 4.0, PL/SQL
	+ Project: Virtual Post Office for Singapore Post, Singapore, Aug 1996 – Feb 1997
		- Technology used: MS SQL Server 6.0, SQL & Visual Basic 4.0
	+ Project: MIS (Management Information system) for Organo, Taiwan, Jul 1996 – Aug 1996
		- Technology used: MS SQL Server 6.0, SQL, Visual Basic 4.0, Crystal Reports 4.0
	+ Project: Building Automation System called SYNAPSE for Telepark (Singapore Telecom), Singapore, Feb 1996 – Jul 1996
		- Technology used: Informix SE 5.0, Visual Basic 3.0, ESQL/C, Crystal Reports 4.0
* **Analyst Programmer, Kale Consultants Pvt Ltd, Mumbai, Jun 1994 – Feb 1996**
* Project: Open Branch Automation System (OBMS) for State Bank of Travancore and
* Catholic Syrian Bank.
	+ Technology used: Sun SPARC Systems, Sun Solaris, Informix Online 4.01 UE2, C, ACE Reports, ESQL/C, ISQL, C-ISAM and Shell Scripts
* **Dy Systems Manager/Programmer, Aptech Ltd, Trichur, Apr 1993 – Jun 1994**
	+ Project: Library Management System
		- Technology used: PC XT, Novell NetWare, MS DOS 6.0, ISAM and COBOL 85

**PERSONAL DETAILS**

* Date of Birth: 22nd May 1972
* Languages Known: English, Hindi ,Tamil and Malayalam
* Reference Available on Request