Suresh Gopalakrishnan
Senior IT Consultant

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Professional Profile

An accomplished IT consultant with 20+ years of rich cross-industry experience across diverse business sectors. Experienced in operating as a trusted advisor to senior stakeholders and business sponsors, overseeing strategic IT projects including digital and data capabilities, navigating complex legacy migrations to modernise infrastructure, providing leadership to cross-functional teams, empowering organisations to streamline database operations and exceeding expectations set by leaders.

Core Competencies

- Database Design & Development
- Production Support
- Data Management
- Full Software Lifecycle
- Large Scale Migrations
- Data Cleaning
- Stakeholder Relations
- Offshore Teams
- Client Engagement
- Agile Methodology
- Quality Control
- Risk Mitigation

Career Highlights

- **Expert in Big data Hadoop ecosystems such as MapReduce, Hive, Pig, Hbase, Sqoop and Flume** | Handled large datasets of structured and unstructured data.
- **Experienced in design, development and implementation of large database apps |** 15+ years of Oracle Database experience collaborating with various tools, gaining an excellent understanding of concepts and best practices.
- **Highly efficient in data analysis, machine learning & data mining |** Managed large data sets (structured and unstructured data), data acquisition, data validation, predictive modelling, data visualisation, web scraping and Python programming.
- **Proficient in managing the entire data analysis project life cycle** | Actively engaged in all the phases of the project life cycle including data acquisition, data cleaning, data engineering, features scaling and features engineering.
- **Statistical modelling knowledge |** Decision trees, regression models, clustering, dimensionality reduction using Principal Component Analysis and Factor Analysis, testing and validation and data visualisation.
- **Business requirements transformation |** Translated use cases through analytical models, algorithms and data mining and reporting solutions, scaling across a massive volume of structured and unstructured data.

Career Summary

IT Consultant | ReAssure – Specializes in managing and administering Closed Books, UK   May 2014 - Present

Provided expert advice in delivering optimised IT infrastructure, cutting-edge data solutions, end-to-end project support and utilising the latest technologies to support business goals and objectives

- **HSBC Data Migration -** Key role in maintaining life and pension books at HSBC consisting of 300k+ policies, streamlined into the AdminRe ALPHA app. Led CPAS/Life Pen migration, including data analysis, transformation mapping and UAT.
- **Guardian Financial Services Migration** - Supported Capita, Deligenta and Administrator Streams as part of AdminRe's acquisition of Guardian Financial Services Ltd. Responsible for admin migration with circa 1m+ policies and 70 products
- **ReAssure VPD Migration** - Consolidated multiple instances into a centralised solution with robust DDL scripts, shell scripts, Oracle services per partition and control scripts for data migrated into the VPD Database
- **Aviva VPD Migration -** Comparison of data structures and rationalisation of table structures between Aviva/ReAssure by using DDL scripts, shell scripts, Oracle services per partition and control scripts for data migrated into the VPD database
- **Conversion of all COBOL Programs into PLSQL Packages** - Reviewed code, fine-tuned packages and uplifted performance
- **Policy Archive** - Archived ended policies covering policy selection, policy grouping, context addition and policy move
- **Batch Performance Improvement** - Decreased overnight batch cycle processing time by 5 hours through fine-tuning
- **ALP3_TO_ALPHA** - Delivery of business requirements to move data from one partition to another
- **Policy Clone** - Cloning policies from LIVE to DEV/TEST environments and also cloning policies within environments
- **ReAssure / Aviva Replatform** - Migration from HP-UX to Linux and enhancement of scripts for Linux compatibility
- **Environment Provisioning** - Large-scale data streamlining into ALPHA, with new partitions with automated batches
- **Comparison Pipeline** - Environment and code baselining and new Azure VSTS pipeline to deploy and run comparisons
- **Waterloo Migration -** Phoenix acquired ReAssure, requiring the migration of 3 million policies from ReAssure ALPHA to Phoenix BaNCS. Actively involved in the entire process, including developing proof of concepts for both data extract and data decommission, defining initial extraction rules and designing solutions. Designed and developed framework for data decommission, creating rollback scripts and overseeing data reconciliation and performance improvements.

Career Summary (Continued)

Big Data / Hadoop Consultant | GeoInsysSoft - Software Training Institute, India — Jun 2013 - Apr 2014

- PoC development for leading power and gas companies generating electricity and retailing power and gas
- Large dataset generation using technologies such as Big Data and Hadoop, implementing analytical solutions processing structured/unstructured data for a PoC cluster with 12 commodity hardware
- Analysed features whilst considering max consumption and usage and integrated flat files into databases
- Evaluated customer data to identify key insights and provided strategic information to senior stakeholders
- Wrote shell scripts, maintained Apache Hadoop clusters and optimised power supply for industrial/commercial areas

IT Consultant | Equiniti - Financial Services Company, UK — Oct 2012 - May 2013

- Administration support for 2000 pension schemes with accountability for CR assessments, code changes, code reviews, user acceptance testing support, system maintenance, BAU activities, technical specs and new business strategies

IT Consultant | SAGA Insurance, UK — Jul 2010 - Sep 2012

- Trusted advisor for TIA Customisation / Web Enabling 3rd party products within the insurance sector
- Developed the MySaga one-stop portal for customers to manage and maintain all policies held with Saga
- Involved in requirement analysis, process improvements, system maintenance and technical specs for scope changes

IT Consultant | SwissRe/AdminRe, UK — Jul 2008 - Jun 2010

- Data migration between Aviva (formerly Norwich Union) and SwissRe migrating 3m+ policies across 18 product streams
- Responsible for the migration of the PS-S32 stream with 7 Products and over 250k policies
- Analyse source data, created functional aspects, reconciled data with controls and provided solutions to defects

IT Consultant | Prudential PLC - British Multinational Insurance Company, UK — Aug 2000 - Jul 2008

- Directed app development for the Leapfrog (Online Pensions) solution, using JavaScript and a back-end Oracle DB
- Designed and developed interfaces between Leapfrog and external apps such as PMS (Pension Management System)
- Key team member empowering PruTech to work towards a CMMI level 3 qualification
- Responsible for functional aspects between interfaces, file specifications and interface technical specifications
- Assisted with system testing, developed data correction scripts and impact-assessed RFC requests
- **Major Projects:** Interface to Finance and Siebel, Pension Calculator, AVC Migration, MPP Addition, GPP/MPP Migration, Data Correction Tool and Administrator Upgrade

Previous Roles

- **IT Consultant**
  National Savings, UK — Jan 2000 - Jul 2000

- **IT Consultant**
  Scottish Power, UK — May 1999 - Oct 1999

- **Senior Analyst Programmer**
  Polaris Software Lab, India — Nov 1998 - Feb 1999

- **Senior Analyst Programmer**
  HofinSoft System, India — Apr 1998 - Oct 1998

- **Software Executive**
  Natvar Parikh Industries, India — Dec 1996 - Mar 1998

- **Senior Programmer**
  StarTech Information Systems, India. — Jul 1994 - Nov 1996

Academic Excellence

- BSc Mathematics | University of Madras, India
- Big Data & Hadoop Certification | Edureka

Technical Skills Matrix

Oracle	• SQL, PLSQL, PL/SQL, Forms & Reports, Oracle 7/8i/9i/10g/11g, Oracle DBA & Oracle Designer
Unix & Scripts	• Unix - HP/Solaris/AIX, Unix, Linux, Shell, Shell Script
Programming	• ASP / JavaScript, Visual Basic 6, HTML DB, HTML, CSS, XML/XSL/XSLT, Python, Pro*C/Cobol, Java Script, Pandas, NumPy, Statsmodels, SciPy & Plotly
Data Visualisation	• Business Objects, Power BI & Crystal Reports 10
Data Processing	• OLTP, HTML DB, Toad, SQL Navigator, PLSQL Developer, HBase, Sqoop, HIVE, HDFS, Matplotlib, ETL & MongoDB,
Machine Learning	• Supervised Learning, Unsupervised Learning, Linear Regression, Decision Tree, Random Forest, Classification, Logistic Regression, Support Vector Machine, Naive Bayes and Dimension Reduction
Domain Knowledge / Application Areas	• Life & Pensions; Insurance; Finance & Banking; Power & Utility; Sales; Personnel; Manufacturing; HR & Payroll, Shipping; Customer Support; Logistics Management;, Securities; Purchase / Inventory