

# Sunder Govindaraju

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C2 Manager

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## CAREER OBJECTIVE

To obtain a responsible and challenging position in design and development of robust software systems, in a team-oriented development environment and to contribute my knowledge to the exciting world of Information Technology, an industry that is changing the way the world works and lives.

## PROFESSIONAL SUMMARY

- 11 years of experience in IT industry and 4+ years of relevant experience on big data software stacks such as Apache Hadoop, Sqoop, Hive, Spark, Scala, HBase, Oozie and Cloud platform of AWS.
- Good hands-on knowledge of Hadoop, Yarn, MapReduce architecture on various components such as Edge node, Name node and Data node.
- Good Knowledge of CI/CD concepts and hands-on on fixing pipelines errors and failed jobs using Jenkins Scheduler, Informatica and Airflow DAGs.
- Good knowledge in handling Structured, Semi-Structured and Unstructured Data applications.
- Experience with multiple file formats like JSON, Avro, Parquet, ORC etc.
- Very good understanding on Partitions and bucketing concepts in Hive tables (Managed/External) to optimize the performance.
- Strong knowledge in HDFS, Spark Core, Spark SQL, Scala, Hive, Sqoop, Oozie.
- RDDs, Data Frame creation, cache/persist, checkpoint RDD for the source data chunks.
- In depth experience in Oracle database design, development, database/SQL performance tuning and Data Warehouse.
- Expertise in Frontend Development Interaction Design / UX and Visual design experience comprised of web / mobile and desktop application design
- Good Knowledge in HTML 5, SASS, LESS, CSS3, AngularJS, Angular 2/4/5/6/7, Typescript, JavaScript and Bootstrap.
- Hands on experience in Microsoft Visual Studio 2013, 2015, VSCode, IntelliJ and Sublime.
- Rich experience of working in Agile methodology.
- Worked extensively on project tracking tools like TFS, Perforce, GIT and BitBucket.
- Knowledge on ASP.NET, Kentico(.NET CMS), Wordpress, Magento, Drupal, Photoshop, Illustrator, InDesign, Dreamweaver, Adobe Flash and Corel Draw.
- Substantial expertise with user-centered design principles to rapidly develop prototypes, wireframes (Axure pro), mock-ups and storyboards.
- Excellent Communicator with emphasis on building Strong Client Relationships, capable of making professional presentations, conducting workshops.

## WORK EXPERIENCE

Employer	Designation	Employment Period
Capgemini	C2 Manager	Jan 2022 – Till date
Prokarma Solutions	Senior Software Engineer	Jan 2017 – Dec 2021
Tychons Solutions	UI Team Lead	Aug 2014 – Dec 2016
E-Animedia Solutions Pvt Ltd	Graphic Designer	Feb 2013 – July 2014
Smart Technologie	Web Designer	July 2010 – Feb 2013

## TECHNICAL SKILLS

<b>Big Data Technologies</b>	:	Apache Hadoop, Spark Core, Spark SQL, Python, Scala, Hive, Sqoop, Kafka, Zookeeper, Spark ETL, Airflow, Jenkins, Informatica, S3, Pandas, NumPy, Splunk Smart Scan
<b>Programming Languages</b>	:	Shell Scripting, Python, Scala (2.11.11), HTML5, SASS, LESS, CSS3, Javascript, Typescript
<b>Databases</b>	:	MySQL (8.0.18), Hive (2.1.1), Oracle 11g
<b>NoSQL</b>	:	HBase
<b>IDE</b>	:	PyCharm, Anaconda, Sublime, IntelliJ, Visual Studio 2013, 2015, VSCode, Sublime
<b>Version Control</b>	:	GitHub, SVN
<b>Operating Systems</b>	:	Windows, Linux, CentOS(15.5 Version), Ubuntu, MAC
<b>Cloud Environment</b>	:	Amazon Web Services (EMR, S3, EC2, Glue, Redshift)
<b>Project Tracking Tools</b>	:	ServiceNow, TFS, BitBucket, GIT.
<b>Reporting Tools</b>	:	Scrum Master, Rally, Sharepoint, Jira
<b>Case Tools</b>	:	Jupyter Notebook, MobaXterm(11.1), Putty, Apache Maven

## PROJECT EXPERIENCE

**Project 1:** National Australian Bank

**Client:** National Australian Bank

**Duration:** Jan 2022 - Till Date

**Team Size:** 25

**Role:** C2 Manager

**Technology Used:** AWS, Jenkins, Airflow, Informatica, Splunk, Control-M, PySpark

**Description:**

National Australia Bank is one of the four largest financial institutions in Australia in terms of market capitalisation, earnings and customers. NAB was ranked 21st-largest bank in the world measured by market capitalisation and 52nd-largest bank in the world as measured by total assets in 2019.

**Responsibilities:**

- Monitoring and Managing Scheduler pipelines.
- Troubleshooting failed pipeline jobs and checking Logs.
- Daily handling NDH pipelines and fixing failed jobs using Jenkins Scheduler and Airflow.
- Checking Data in S3 for Raw and Curation purpose.
- Solving Jira and incidents on daily basis.
- Handling Client call for resolution of priority-based incident.
- Checking DAG failures and re-triggering using Airflow.

**Project 2:** Manufacturing & Logistics, Vehicle Fleet Analytics

**Client:** Manufacturing & Logistics

**Duration:** April 2019 – Dec 2021

**Team Size:** 10

**Role:** Senior Software Engineer

**Technology Used:** Big Data - HDFS, Sqoop, Hive, Spark Core, Spark SQL

**Description:**

This project provides the realtime information of the driving pattern of the vehicles driven by the different drivers across the world. We will calculate the wages, distance driven etc in Realtime joining with the batch data.

**Responsibilities:**

- Importing and exporting data from databases into Hive using Sqoop.
- Created Sqoop jobs with incremental load to populate hive external tables. As a part Data acquisition, extensively used Sqoop to transfer data from existing databases to HDFS.
- Direct mode, split by, Boundary query and batch mode have been used to improvise the tuning options using Sqoop.
- Developed Hive queries for user requirement to perform adhoc analysis including analytics queries such as row number, rank, explode etc.
- Developed Hive queries to parse the raw data, populate to the staging tables and store the refined data in Hive tables
- Improvising the tuning options using Hive functions such as Partitioning and Bucketing.
- Created dataframes using Spark and performed transformation and aggregation on the same and stored as json, orc and parquet.

- Using Spark, handled different sources such as file systems, DBs, web service API's. Applied transformation logics such as join, enrichments, aggregation, filtering, conversions, concatenations etc.
- Experience with Hive Queries Performance Tuning and SparkSql Performance Tuning.
- Schedule the job by Oozie workflow and deploy the code in prod environment.

**Project 3:** Cooper Tires

**Client:** Cooper Tires

**Duration:** Jan 2017 – March 2019

**Team Size:** 8

**Role:** Senior Software Engineer

**Technology Used:** Big Data - HDFS, Sqoop, Hive, Spark Core, Spark SQL, Oozie

**Description:**

Cooper Tires offers a large portfolio of brands with products designed to meet the needs of today's drivers. They also design and manufacture tires under various brand names. Tires are developed and designed at the company's technical centers in Findlay, Ohio; Melksham, England; and Kunshan, China.

**Responsibilities:**

- Responsible for data ingestion from RDBMS to Hadoop using Sqoop.
- Responsible for data extraction and data ingestion from data source into Hive table.
- The complete workflow maintained in shell script and scheduled through Autosys.
- Validated the database logs and complete flow after migrated the server.
- Co-ordinate with the team to validate the jobs.

## EDUCATIONAL QUALIFICATION

- BE Electrical and Electronics Engineering (2006 - 2010) from Rajiv Gandhi College of Engineering and Technology, Pondicherry University with an aggregate of 75%.
- HSC from Petit Seminaire Higher Secondary School , Pondicherry with an aggregate of 81%.
- SSLC from Petit Seminaire Higher Secondary School , Pondicherry with an aggregate of 78%.

## PERSONAL INFORMATION

**Father's Name** : S. Govindaraju

**Date of Birth** : 02-11-1988

**Marital Status** : Married

**Permanent Address** : 2nd Floor, Avigna Flats, Nanmangalam, Chennai - 600129