# Ramesh Kandasamy

Data & Analytics – Senior Developer

Chennai, India | +91 89399 52540 | ramesh.kandasaamy@gmail.com | https://github.com/RameshKandasamy

## PROFILE

- **13+ years'** experience in the IT Industry with **6+ years** in **Python, Hadoop(HDFS), Sqoop, Hive, Scala, Spark, Big Data Analytics , Unix Shell Scripting**
- Strong experience in Data Engineering, Automation using Unix Shell Scripting, Python, Spark, and Scala
- In-depth knowledge in Hadoop, HDFS, Hive, SQOOP, Spark Core, spark SQL, Spark Streaming, Kafka, Apache Nifi, Oozie, Python, Unix Shell Scripting
- Certified Scrum Master.
- Experience in working with Hortonworks Big Data Ecosystem, Databricks, Cloud Platforms AWS, Azure and GCP
- Strong Data Analysis, Exploratory Data Analysis, Data Processing and Visualization skill using Tableau and various Python libraries like Seaborn, Matplotlib
- Managed End–to–End delivery of the Data Engineering Projects. Have been through the entire project life cycle from Requirement Gathering, Analysis, Design, Development, Testing till Delivery
- Have experience in Project Implementations for Banking, Manufacturing, Retail and Insurance domains
- Acquiring talent, developing & optimizing team
- Good experience in coordinating various co-location teams

## TECHNICAL SKILLS

- **Language**      : Python, Scala
- **Big Data**      **:** Hadoop (HDFS), Hive SQL, Sqoop, Scala, Spark Core/SQL, Hbase, PubSub, Kafka, Apache Nifi, YARN, PySpark, Oozie, YARN,
- **File Systems**  **:** ORC, Parquet, CSV, XML, JSON, Avro, TextFile
- **DWH**           **:** Big Query, Hive, Redshift
- **Database**      **:** Oracle, MS SQL, MySQL, PostgreSQL
- **Automation**    **:** RegEx, Excel, Python
- **Cloud**         **:** AWS, GCP Stacks
- **Visualization** **:** Tableau, Seaborn, Matplotlib
- **Other**         **:** HADOOP, SQOOP, Hive, HDFS, HBase, Elasticsearch, Unix Shell Scripting

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## WORK EXPERIENCE

- **ALTIMETRIK INDIA PVT LTD,** from July 2015 to till date
- **SCOPE INTERNATIONAL,** from June 2014 to July 2015
- **TATA CONSULTANCY SERVICES (TCS),** from December 2011 to June 2014
- **INFOSYS TECHNOLOGIES PVT LTD,** from July 2007 to November 2011

**Data Science Architect: GDIA - Global Data Insight Analytics ,** from July 2015 to till date : **FORD**

- Implement the data extraction from various source for DSC (Data Supply Chain)
- Developed the pipeline for Spark project using Hadoop components (Sqoop, Hive, Kafka, Nifi, Oozie, Elastic Search)
- Developed and Deployed multiple Spark projects
- Have involved and developed multiple project using Sqoop, Hive, Hbase, Spark SQL, Spark Streaming, Kafka, Nifi, Oozie, Cloud (RDS, Redshift, S3, EMR)
- Have been through the entire project life cycle from Requirement Gathering, Analysis, Design, Development, Testing till Delivery/Deploying models in Production
- Extract data from various in-house applications for the model, load extracted data on to Data Lake in AWS S3, further cleanse, transfer the data on to AWS RedShift
- Perform Data Exploration using Exploratory Data Analysis, Feature Engineering and Scaling, Imputing, Encoding data for the model
- Build ML models using various algorithms and compare the results. Deploy the ML model that performed well for the given input data
- Deploy the model Alteryx Server running in AWS EC2
- Validate the model performance by using Tableau reports
- Lead a team of 4 junior data scientists, 2 UI, 3 ETL developers, AWS BI architect, Business Analyst and Quality Analyst
- Manage the project team to ensure delivery on-time

**Data Science and Data Engineer:** Jun 2014 – Jul 2015 : **Scope International**

**Roles and Responsibilities**

- Lead Data Science team size of 12 members across locations focusing on technical deliverable and ensure on-time delivery to clients
- Responsible for Building Architecture and Solutions for customers requirements
- Developed Sqoop, Hive, Hbase , Phoenix projects
- Created and Presented several Predictive Models for various domain projects
- Guide Data Analysts/ Data Scientists on a day to day basis, Review & Manage
- Assist the company to augment the Data science talent and team
- Develop PoCs in Data Science and Artificial intelligence involving techniques
- Lead and Coach Project Team members towards improving Technical competencies and Project Goals
- Talk to Customers on Requirement gathering and everyday project discussions

**Software Analyst:** Aug 2013 – Jul 2014 : **Tata Consultancy Services (Client : Best Buy)**

**Roles and Responsibilities**

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- Best Buy is an American multinational consumer electronics corporation headquartered in Richfield, Minnesota, a Minneapolis suburb. We were involved in developing applications and functionality to process the daily transaction details and keep the inventory information's up to date. Our application will calculate the profit details using the daily transaction information's.
- Ensured delivery of quality service by the team to meet evolving demands of the business while resolved incidents and severities and writing RCAs on them
- Prepared technical and process documents for easy understanding of process and product also carried out Disaster Recovery plan once a year for all assigned applications
- Follow day to day ITSM Process which includes Incident Management, Request Management, Availability Management, Capacity Management and Change Management
- Updated Business Continuity Plan by conducting physical Disaster Recovery procedures and updating all relevant supporting documents.
- Have Continuous Improvement mind-set to provide quality support to Business and ensuring Security and Controls are in place and up to date by conducting regular internal audits
- **Technology Used**: Spark, Hive, Python, Unix Shell Scripting

**Software Analyst:** Oct 2012 – Aug 2013 : **Tata Consultancy Services (Client : Nokia)**

**Roles and Responsibilities**

- Have worked as senior Python developer
- Lead the team of 6 members
- Have developed N-Zilla (Nokia Zilla), S-Zilla (Service Zilla) M-Zilla (Meltemi Zilla) and UF Zilla (User Feedback Zilla) applications
- Setting up new SQLs and Scripts on a regular basis
- Based on the business requirements, SQLs will be generated for providing the reports to the business users.
- Created more programs and scheduled in Autosys.
- Housekeeping activities on Servers and Database
- Incident Management
- Day to day handling of customer queries via incident ticketing.
- Handling Customers requests (Ad-hoc requests vital for the business requirements and these activities were handled via service request management. Usually business users' queries / clarifications were handled via service request management.
- **Technology used**: Python, Perl, Unix Shell Scripting, Oracle, Autosys

**Software Analyst:** Dec 2011 – Oct 2012 : **Tata Consultancy Services (Client : Credit Suisse)**

**Roles and Responsibilities**

- Credit Suisse is the one of the leading bank majorly involved in Investment banking, private banking and an asset management. We have handled in working with Unix Shell Scripting, for user requirement related to deals management, profit and loss calculation of all their investment in the global market on daily basis. We are the offshore team involved in taking care of user requirement timely and accurate manner. Ensured delivery of quality service by the team to meet evolving demands of the business while resolved incidents and severities and writing RCAs on them
- Have played an active Project leader role and majorly involved in requirement discussion with clients and assigning the tasks to all resources in the project to get the work done on time. Follow day to day ITSM

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Process which includes Incident Management, Request Management, Availability Management, Capacity Management and Change Management
- Created the very good relationship with Clients by delivering the quality output from the beginning as it was new project to TCS.
- **Technology Used**: Python ,CGI Perl, UNIX Shell Scripting, Autosys ,PLSQL

**IT Analyst:** Oct 2010 – Nov 2011 : **Infosys Technologies (Client : American Express)**

**Roles and Responsibilities**

- Understanding Business Objectives and coordinating accordingly with the client to facilitate on time delivery of quality service as well as participated in business process understanding and implications of initiatives
- Ensured delivery of quality service by the team to meet evolving demands of the business while resolved incidents and severities and writing RCAs on them
- Prepared technical and process documents for easy understanding of process and product also carried out Disaster Recovery plan once a year for all assigned applications
- Follow day to day ITSM Process which includes Incident Management, Request Management, Availability Management, Capacity Management and Change Management
- Updated Business Continuity Plan by conducting physical Disaster Recovery procedures and updating all relevant supporting documents.
- Have Continuous Improvement mind-set to provide quality support to Business and ensuring Security and Controls are in place and up to date by conducting regular internal audits
- **Technology Used**: CGI Perl, UNIX Shell Scripting, Autosys ,PLSQL

**Software Engineer:** Jul 2007 – Oct 2010 : **Infosys Technologies (Client : Goldman Sachs)**

**Roles and Responsibilities**

- PARA - Proprietary Accounting and Risk Analysis -- group is a part of the Firm wide systems group at Goldman Sachs. PARA group is responsible for monitoring the firm's proprietary trading accounts and determining the risk associated with these accounts
- PARA handles all the firms trading including fixed income, Currency and Commodities and Equities. PARA Workstation is a set of inter-related tools and databases that help the PARA analysts to monitor the firms trading account and providing valuable trading information to other important reporting and analysis streams within GS. Our Responsibility was taking care of the user's requirement developing CGIPerl Programming, Python, Unix Shell Scripting,. We were used PL/SQL Database for handling the data's storage, access and manipulation.
- Take lead on annual server migrations for Perl Web and Application servers and Oracle Report servers
- **Technology Used**: CGI-Perl, Unix Shell Scripting, PLSQL, Autosys

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**EDUCATION**

♦ **Bachelor of Technology** A.C College of Engineering and Technologies –Karaikudi. Anna University, 2007

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**Date of Birth:** 3rd May, 1985 **| References:** Available on request