

## OBJECTIVE

Experienced IT professional with over 10 years in Data Engineering and 2 years in Algo Trading, specializing in designing and implementing algorithmic trading strategies.

Proven expertise in back testing, real-time execution, and cloud deployments for Indian markets. Looking to apply advanced skills in quantitative finance, derivatives, and futures trading to an innovative trading team.

## CONTACT

### EMAIL:

[shashireddy40@gmail.com](mailto:shashireddy40@gmail.com)

### PHONE:



+27 63 178 8020

### LINKED-IN PROFILE:

<https://www.linkedin.com/in/thealgotrader/>

## PORTFOLIO

<https://shashireddy40.github.io/mypage/>

## CERTIFICATIONS

ISTQB-CTFL

Big Data Engineering with Hadoop and Spark from E&ICT, IIT Roorkee

## PERSONAL PROFILE

Full Name:  
PATOORI SHASHIDHAR REDDY

Date of Birth  
10th May 1990

Languages Known  
English, Telugu and Hindi

## HOBBIES

Chess  
Cricket  
Traveling

# SHASHIDHAR REDDY (SHA-SHI)

Data Driven Algo Trader | Remote | Johannesburg, South Africa |

## EDUCATION



**Indian institute of quantitative finance**

Post Graduate Program in Algorithmic Trading (PGPAT) (2024)



**Jawaharlal Nehru Technological University, Hyderabad, India**

Bachelor of Technology in Aeronautical Engineering (2007-2011)

## WORK EXPERIENCE



**SVSS TRADING (PTY) LTD**

Data Driven Algo Trader | Python | Johannesburg | Remote  
March 2023- Present



**JUMO.WORLD**

Senior Data Engineer (Python) | Cape town, South Africa | Remote  
October 2020- February2023 (2+ years)



**SVSS TRADING (PTY) LTD**

Quant Data Engineer | Johannesburg, South Africa  
Oct 2019-May 2020. (8 months)



**Sonata Software**

Big Data Engineer | Hyderabad, India  
January 2015–January 2019 (4 Years)



**IrusInfotech Pvt Ltd, India**

QA Analyst | Hyderabad, India  
June 2011–January 2015 (3+ years)

## SKILLS

### Languages

- Python, SQL

### Frameworks

- Backtrader, PySpark

### Algo Trading Tools

- Pandas, Polars, NumPy, API's, Databases
- Postman, VS code
- Flask, Matplotlib, WebSocket APIs

### Cloud Platforms:

- AWS (S3, Redshift, EC2, Lambda)

### Quantitative Skills:

- Statistical analysis, risk management, backtesting, alpha generation, volatility clustering

### Algorithmic Trading

- Pairs trading, derivatives, futures, and options

## PROFESSIONAL EXPERIENCE

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### **PROJECT #1:**

Title: Algo Trading Application  
Clients: individual clients  
Location: Remote  
Duration: March 2023 – Present  
Tools Used: Python  
Team Size: 5  
Role: Quant Trader

#### **Description:**

**SVSS Trading** partners with individual clients looking to invest and trade, offering comprehensive support for automating their own trading strategies.

Our services cover everything from backtesting to deployment, along with ongoing support for cloud-based solutions. We primarily operate in the Indian markets, including NSE and BSE, with a strong focus on derivatives and futures trading.

#### **Responsibilities:**

- Designed, developed, and deployed algorithmic trading strategies for individual clients, focusing primarily on Indian stock exchanges (NSE, BSE), with an emphasis on derivatives and futures.
- Automated custom trading strategies for clients, providing end-to-end solutions including strategy development, backtesting, deployment, and cloud support.
- Monitored real-time market conditions to adjust trading algorithms, ensuring optimal performance and minimal risk exposure in volatile market conditions.
- Conducted in-depth quantitative research and analysis to improve existing trading strategies and explore new opportunities in the market.
- Leveraged tools like Python, Backtrader, and WebSocket for real-time data streaming, executing trades based on price action, EMA, and other technical indicators.
- Worked extensively with data, ensuring strategies were back tested over significant historical periods to optimize their risk-adjusted returns.
- Managed cloud-based deployments, including data storage, processing, and monitoring of active trades.
- Focused on futures and options trading in alignment with market trends and client risk tolerance.
- Regularly communicated with clients, presenting performance reports and adjusting strategies based on feedback and changing market conditions.

### **PROJECT #2:**

Title: Data Systems (EDW)  
Partners: Tigo, Airtel and MTN  
Location: Cape town, South Africa  
Duration: October 2020 – February 2023  
Tools Used: AWS, Spark, Python, SQL, Airflow  
Team Size: 5  
Role: Senior Data Engineer

#### **Description:**

JUMO is the market leading banking as a service platform, enabling real-time access to funds at the lowest possible operating cost.

Integrating into JUMO's platform enables our partners to offer loans, savings and a wide range of financial choices to a new group of customers.

The first ecosystem partnerships were established with Tigo, Airtel and MTN to bring short-term loan products to people and small businesses in Kenya, Zambia and Uganda.

**Responsibilities:**

- used various operators ETL pipelines that extract data from multiple sources, Transforming and stored in Delta Lake in optimized way
- Focus on simplified data models that represent business processes, operational excellence, systems & services resilience and efficiency, availability, maintainability, security.
- Building and handling successful designs, pipelines and development using Spark and AWS for large data processing systems
- build and manage workflows programmatically with Airflow
- Working in agile software-development methodology and utilizing technologies such as Jira, Git, Jenkins, Spinnaker
- Improvement of engineering processes (i.e., design reviews, build, operations, testing, release/deploy, monitoring etc.).

**PROJECT #3:**

Title	: TUI Travel Group
Brands	: Thomson Airways, Amadeus System, British Airways.
Client	: TUI UK, British Airways.
Location	: Hyderabad, India.
Duration	: March 2015 to December 2018
Tools Used	: Hadoop, Hive, Spark, Sqoop, Cloudera, Tableau
Team Size	: 10
Role	: Big Data Engineer.

**Description:**

TUI Group is a multinational travel and tourism company. It is the largest leisure, travel and tourism company in the world, and owns travel agencies, hotels, airlines, cruise ships and retail stores. TUI Travel Group have several UK-based tour operators Thomson Holidays and First Choice, by using this brands Passengers able to Book Flight tickets, Hotels and Holiday Packages with Cheapest Prices to Major European Countries

**Responsibilities:**

- Designing and implementing semi-structured data analytic platform leveraging Hadoop.
- Extensively used Hive/HQL or Hive queries to query or search for a particular string in Hive tables in HDFS.
- Worked on analyzing Hadoop stack and different big data analytic tools including Pig, Hive, and Sqoop.
- Implemented Spark using Scala and Spark SQL for faster processing of data.
- Exported the analyzed data to the relational databases using Tableau for visualization and to generate reports for the BI team.

#### **PROJECT #4:**

Title	: eCRS (electronic Credit Rating System)
Client	: National Australia Bank, Australia.
Location	: Hyderabad, India.
Duration	: January 2013 to January 2015.
Tools used	: Eclipse IDE, SQL Server, SoapUI, Postman
Team Size	: 5
Role	: Junior Data Analyst

#### **Description:**

eCRS is an online Credit Rating System that helps the bankers/employees of NAB to take a decision about issuing loans to their respective customers (organizations). There are several external factors involved in this project in order to drive the banker to take a proper decision against issuing the loans to their customers. It's a web application with different roles aligned with different privileges to access the system. The data from this system would be pushed down to another project called GDW. So, the data extraction is a crucial process in this project.

#### **Responsibilities:**

- Developed SQL queries with various data sources like JSON, Parquet.
- Exploring and analyzing data, performing Grouping, Aggregation and working with joins.
- Querying data using SQL operations.
- Responsible for test scripts generation, testing and validation.
- Have a good understanding of Software Development Life Cycle (SDLC), involved in various phases like Requirement gathering, Analysis/Design, Development and Testing. Also, knowledge in Test Driven Development (TDD) process.

#### **PROJECT #5:**

Title	: Grocer-kart
Client	: Idea Logistics, Hyderabad.
Location	: Hyderabad, India
Duration	: June 2011 to November 2012
Tools Used	: Quality Center, QTEST, SQL Server 2008.
Team Size	: 5
Role	: QA Analyst

#### **Description:**

Grocer kart is an online shopping portal they do save on the infrastructure costs that we would otherwise have to incur if we had a physical store. Since at Grocer kart, the customer always comes first, we have decided to pass on our savings to you in terms of discounts on products. Customer will realize that most products are priced lesser than the MRP.

#### **Responsibilities:**

- Have a good understanding of Software Development Life Cycle (SDLC), involved in various phases like Requirement gathering, Analysis/Design, Development and Testing.
- Responsible for test scripts generation, testing and validation.
- Analyzing Functional Requirements, Gathering and managing the Test Data
- Effective test case writing and execution resulting in improved coverage
- Providing input/status updates regarding test progress/results
- Assist in the assessment and planning of test efforts required for new functions/features under development
- Designing Test cases using HP Quality Center and Executing Manually.
- Defect tracking, analyzing and bug reporting using QC.
- Defect and trend tracking, reporting, and analysis