

# Heshan RATHNAYAKE

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Portfolio: [www.heshanportfolio.com](http://www.heshanportfolio.com)

## CAREER SUMMARY

Front End Developer with one year of experience as a backend developer with relating administering database information systems. Possesses In-depth knowledge in Python, SQL and its real time projects and Data Structuring and Algorithms.

## WORK EXPERIENCE

**Currently work at CSL Behring, Broadmeadows under Danihers Facility Management.**

### Data Engineer

**Capital Lanka PVT LTD, Sri Lanka**

**Dec 2017 – Jan 2019**

#### Key responsibilities:

- Assisted to design and to develop data products and services.
- Developed and maintained reports for supporting to manufacture.
- Developed an ETL Database Model to carry out new procedures and create various database warehouse dimensions to accept ETL outputs.
- Coded SQL queries to obtain data from multiple tables to spool into CSV format and provide extracts to business and users.
- Drove stability, reliability, and performance by optimizing in-application SQL statements and design user-focused databases.
- Utilized Joins and sub-Queries to simplify complex queries involving multiple tables while optimizing procedures and triggers to be used in production.
- Performed SQL, PL/SQL, and application tuning using multiple tools like Azure Data Studio, VSC, SSMC, SSDT.
- Designed two onsite databases and maintained a group of databases and used data modelling techniques.

#### Achievements:

- Proficient understanding of database management systems such as MSSQL, Oracle, PostgreSQL.
- Consistently met deadlines while demonstrating time management and problem-solving skills to achieve corporate objectives.
- Understanding of reporting and data visualisation tools.
- Excellent Analytical skills – the ability to identify trends, patterns and insights from data.
- Strong attention to detail.
- Presentation skills – ability to write and speak clearly to easily communicate complex ideas in a way that is easy to understand.
- Communicational skills with effective stakeholder management and conflict resolution skills.

### Team Leader

**Community Chef, Melbourne**

**Feb 2019 – Feb 2021**

#### Key responsibilities:

- Provided guidance and settled up daily target for the work team.
- Multitasked and assisted with other roles to maintain the smoothness of the environment.

- Directed the team members individually to achieve their daily target.

#### **Achievements:**

- Implemented a new rostering programme using MS Excel which can save time and measure labour hours of all departments individually.

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## **EDUCATION**

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### **Navitas Professional, Melbourne-Australia**

#### ***Certificate IV in Business (In progress)***

***May 2021 – Jan 2022***

#### **Experienced Concepts:**

- Australian Business Culture.
- Australian Workplace Environment.
- Australian Standard Business Administration.

### **Charles Sturt University, Melbourne-Australia**

#### ***Master of Information Technology - System Analysis / Software Design and Development***

***Feb 2019 – Nov 2020***

#### **Relevant outcomes:**

- Performed projects using Project Management principles and lifecycle phrases
- Modelled complex business rules using ERDs.
- Identified and analysed business requirements for the identification of patterns and trends in data sets.
- Identified and evaluated the security, privacy and ethical implications in data mining and visualisation.
- Designed object-oriented programs.
- Designed and programmed mobile (Android and IOS) and pc (.exe and .app) applications.
- Proficient in Python, SQL and java.
- Well familiarised with frameworks, toolkits, modules including Docker, Flask, SQLite, SQLAlchemy, Numpy, Pandas and etc.
- Analysed and visualized data using Python and SQL.
- Proficient on exception handling in Python applications for error handling.
- Applied normalisation techniques to optimise a database design.
- Used complex SQL commands to query a database and researched a recent development in the field of database techniques.
- Applied sound program analysis, design, coding, debugging, testing and documentation techniques to programming problems.
- Wrote code in an appropriate coding language and compared and contrasted aspects of the procedural and object-oriented programming approaches.
- Proficient on real time projects and concepts.
- Proficient in working with raw data, drawing compelling and actionable insights via visualisations.
- Proficient in Python real world project in Enterprise-level/Business Applications, Web Development, AI and Machine Learning, Scientific Numeric applications and Software Development.
- Proficient in python libraries such as, pandas, OpenCV, Jupyter, Justpy, Geopy, Pytz, matplotlib and etc.
- Performed frameworks such as, Django, React.js and etc.
- Performed real time projects using data visualisation tools such as, Tableau, Power BI, Spotfire etc.
- Performed Historian Systems. Such as Wonderware, Siemens Simatic IT.
- Designed and implemented algorithms in Java and interpreted and evaluated design requirements expressed in UML.

Relevant subjects:

- Broad Knowledge of applied mathematics.
- Numerical Method and Statistics using appropriate software (MATLAB)
- Programming and Program Design
- Data Structure and Algorithms (C++)
  - Designed, built, and maintained efficient and reliable C++ code
  - Planed, designed, developed, managed, documented, tested, deployed, and supported new and existing modules
  - Proficient on Algorithm Complexities and Data Structures.
- Database management System (MySQL)
- Data Communication and Networks
- Web and Internet Technologies (HTML, CSS)
- Visual Programming (PHP, .Net, C#)

Relevant outcomes:

- Ability to analyse and develop features.
- Ability to create data solutions for real-time problems.
- Tested, debugged, diagnosed and rectified errors.

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SKILLS PROFILE

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Technical Skills:

- Proficient in Tableau, Power BI and Spotfire.
- Proficient in Website Developing.
- Proficient with MS Office Suite (OnPrem & 365).
- Proficient on MacOS with Microsoft Windows.
- Broad Knowledge of programming languages.
- Basic Understanding of Network security.
- Broad Knowledge of consumer and enterprise hardware.

Non-technical Skills:

- Excellent **written** and verbal **Communication Skills** acquired by creating and presenting the research topic on AI and blockchain.
- Successfully achieved **Leadership Skills** by creating and presenting the project topic on risk planning, project progress and results close out.
- Strong Decision **Making**, Problem **Solving** and able to motivate and **Lead** others in a **team** environment.

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VOLUNTARY EXPERIENCE

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Fund Raising Campaigns.

*Make a Wish, Australia.*

*Jun 2019 – Sep 2019*

**Key responsibilities:**

- Organised fundraising campaigns (University BBQ events).
- Led the team towards achieving targeted deadlines.

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**PROFESSIONAL MEMBERSHIPS**

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- Australian Computer Society (ACS).
- Recent Australian police check.
- Forklift Licence.

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**REFEREES**

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Available on request