



# SHARMILA RANASINGHE

## SUMMARY

IT/Software professional with 6+ years of experience in payment gateway, telecommunication, and stock market domains. Expertise in the full software development life cycle, from requirements gathering to production rollout. Strong problem-solving and analytical skills. Proactive team player dedicated to contributing to organizational growth and success.

## PROFESSIONAL EXPERIENCE

### ASSOCIATE TECH LEAD( July 2024 - Current)

#### SENIOR SOFTWARE ENGINEER (April 2022- June 2024)

Unibench Pty. Ltd | Australia | April 2022 - Current

Java | Spring boot | AWS | Quarkus | ReactJS | Opensearch | Workato | Microservices | REST | JSON | TypeScript | Docker

Novatti Acquiring Project - payment gateway to pay and be paid, from any device, anywhere, from corner stores and startups to global organizations.

- Designed and developed payment solutions employing AWS event-driven, serverless architectures, and Java, SpringBoot, ReactJS and Quarkus.
- Initiated and executed systematic refactoring activities for legacy components, adhering to clean code guidelines, best practices, and Object-Oriented Design principles, including SOLID. This enhanced code readability, maintainability, and performance.
- Optimized query performance in DynamoDB by integrating OpenSearch Serverless for efficient search and indexing of large datasets
- Collaborated in identifying bottlenecks in the deployment and release process (CI/CD) and implemented solutions using AWS CDK, AWS CodeBuild, and AWS CodePipeline.
- Advocated and implemented TDD practices, writing comprehensive unit, component, and end-to-end (E2E) tests using JUnit, TestContainers (LocalStack), and JEST, improving test coverage by about 40.
- Collaborated with team members to ensure successful project completion within timeline constraints.

### SOFTWARE ENGINEER / SENIOR SOFTWARE ENGINEER

Virtusa (Pvt.) Ltd. | Sri Lanka | February 2020 - April 2022

Java | Spring Boot | SQL | Mongo | Junit | Jira | Jenkins | Microservices | OSGI services | Adobe analytics | Jenkins

A web-based solution to provide customers of British Telecommunication with the capability to raise and manage Change Requests.

- Worked on two projects, COC project - Users can order a new product, update, or downgrade an existing product online, where they can track their request status.
- Global Service Project - Users can get help to manage broadband, switch to BT, and ask questions.
- Developed new features and implemented change requests in accordance with the requirements.
- Developed and maintained code to achieve the design specifications, software requirements, and technical concerns.
- Provided production support, debugging production issues, and problem resolution under strict deadlines.

## CONTACT

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## SKILLS

### TECHNICAL FIELDS

- Algorithms
- Microservice
- OOP
- Opensearch
- Data Structures
- REST

### PROGRAMMING LANGUAGES / DATABASES

- Java/ Quarkus
- Spring/Spring Boot
- Python
- TypeScript
- ReactJS
- JavaScript
- HTML | CSS
- MySQL
- MongoDB
- DynamoDB
- PostgreSQL
- Docker

### TOOLS / APIS / FRAMEWORKS

AWS workspace | Maven | Gradle | Git | JS Frameworks | Eclipse | Idea | JIRA | Bitbucket | Gitlab | Jenkins | Confluence | SonarQube | Datadog

## EDUCATION

### HONOURS DEGREE OF BACHELOR OF SCIENCE OF ENGINEERING

Specialized in Computer Science & Engineering

UNIVERSITY OF MORATUWA, Sri Lanka

- Second Upper Division  
January 2020

- Worked on pushing real-time notifications to users for notifying status changes of their order products.
- Used Adobe Analytics to analyze data from any digital point in the customer journey and worked together with the Adobe team to fix issues.

### TRAINEE SOFTWARE ENGINEER

DirectFN (Pvt.) Ltd. | Sri Lanka | June 2018 - December 2018

EmberJs | JavaScript | HTML | CSS | Bamboo | TortoiseGit | Bitbucket | JIRA | Agile Development | KanbanFlow

- A web-based trading portal that is based on the Rich Internet Application concept, where online customers are provided with dynamic features on a web browser interface.
- Worked as a front-end developer with following agile practices.
- Developed, tested and deployed software applications using Java, JavaScript, HTML and CSS.

### PROJECTS

Anuwaada - A Named Entity Translation System, A plugin that can be integrated into existing translation system for translating named entities within documents in between Sinhala, Tamil and English languages.

Medicare Always-Patient Support Mobile Platform, An application to remind users about the time, type, amount and a demonstration of how a drug should be taken.

### RESEARCH PUBLICATION

Research paper publication related to Natural Language Processing at IALP 2019.

### ACTIVITIES AND HONORS

- Member of Institute of Electrical & Electronics Engineers - IEEE
- Member of Institute of Engineers, Sri Lanka - IESL

### ACTIVITIES

- Leo Club of University of Moratuwa, Member of Editorial Panel for the leo year 2017-2018.
- Mora Hiking Club, Member.
- Exmo - 2017 (Exhibition @ UOM), Conducting Assistant.
- ISSALE - Spring School in Language Engineering, Completed a course on Deep Learning for NLP - 2019.

### G.C.E. ADVANCED LEVEL

S.T. THOMAS GIRLS' HIGH SCHOOL,  
Matara, Sri Lanka  
Combined Mathematics - A |  
Chemistry - A | Physics - B  
Second Upper Division | GPA: 3.53  
August 2014

### G.C.E. ORDINARY LEVEL

S.T. THOMAS GIRLS' HIGH SCHOOL,  
Matara, Sri Lanka  
Mathematics -A | Science -A | English  
-A | Commerce -A | History |  
Information and Communication  
Technology -A | Buddhism -A | Sinhala  
Language -A | Business Studies and  
Accounting -A | Art - A  
December 2011

### CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (June 23, 2024 June 23, 2027)

### ACCOMPLISHMENTS

- Selected as one of the top talents in Virtusa from the performance evaluation in 2021.
- Data mining and Machine learning global challenge World Rank 270 out of 6920 participants.
- Global 24-Hour Programming Competition - world rank - 450, Island rank - 42.
- Island wide 12-Hour Programming Competition Rank - 13.