

# B.A THISARA DILSHAN

 +94761302240  [thisaradilshanba@gmail.com](mailto:thisaradilshanba@gmail.com)  [thizDil](#)  [thisaradilshan](#)  [thisaradilshan](#)

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## SUMMARY

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A dedicated and detail-oriented Software Engineer with strong expertise in object-oriented programming, data structures, algorithms, and multithreading, alongside a solid understanding of SOLID software development principles. Proficient in Java, Python, and CI/CD tools, with hands-on experience in agile methodologies such as Scrum. Skilled in implementing testable

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## PROFESSIONAL EXPERIENCE

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### Trivow bussiness solutions - Associate Software Engineer

March 2024 - November 2024

- Designed, developed, and optimized RESTful APIs for seamless data integration
- Designed and implemented REST APIs using Java Spring Boot to connect multiple in-house applications, optimizing data transfer and reducing response time by 40%. Ensured secure data handling through token-based authentication and role-based access control.

Streamlined testing processes and enhanced code quality assurance.

Developed unit tests with JUnit, achieving 90% test coverage across critical modules. Implemented continuous integration (CI) pipelines using Jenkins, resulting in 30% fewer post-release issues.

- Debugging and performance optimization efforts
- Leveraged profiling tools such as VisualVM and JProfiler to identify memory leaks and performance bottlenecks, cutting load times by 50% and enhancing user experience. Applied SQL query optimization to reduce database query time by 20%.

Successfully reduced application response time by 40% and minimized production errors by implementing strong testing and CI pipelines. Enhanced data-driven decision-making capabilities for clients, handling over 100,000 real-time data events per second, ultimately driving project success and client satisfaction.

### Axiata Digital Labs - Software Engineer Intern

August 2023- - March 2024

- Architected and enhanced backend APIs for telecom solutions
- Wrote unit tests for multiple microservices, achieving over 80% code coverage. Employed testing frameworks to validate API functionalities, resulting in setting a standard for code quality within the team.
- Collaborated on Agile project management and issue tracking.
- Orchestrated task management using JIRA, track bugs, and document sprint progress. Actively participated in daily stand-ups and sprint retrospectives maintaining smooth workflow within the Agile environment.
- Facilitated cross-functional support in client-facing meetings.
- Engaged in FUT support meetings with Indonesian clients, providing real-time backend support and addressing technical queries. Strengthened client relationships by addressing specific client requirements.

Fortified data integrity and reliability for XL COMET's backend services, leading to a 30% reduction in system errors. Established a benchmark for unit testing with over 80% coverage, which improved the quality and stability of services and set a high standard for team-wide practices.

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## SKILLS

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- Programming Languages:** Java, Python, .NET, Angular, typescript and JavaScript, C++. SQL
- DevOps & Automation:** Jenkins, version control (Git), Docker.
- Software testing:** Familiar with sonarQube and write unit testing using jUnit.
- Problem Solving & Analytics.**
- Collaboration & Communication.**

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## PROJECTS

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### 2023 Automated waste categorization project

- The University of Kelaniya partnership with the Melbourne University, Australia Training an AI model for plastic recycling factory in Australia

### 2023 Kids Edutainment-Mobile Application-Group

- Mobile application that will give education + entertainment experience for kids, Technologies- java,firebase

### 2022 Bus reservation system-Group

- Technologies- Java,MySQL

### 2023 Travel Planning Application

- Travel planning cross platform application that will provide the easy way to plan a trip to travelers by providing personal recommendations. Technologies- PHP, mySQL, Machine learning

### 2022 ThogaKade Management Project

- Simple java project use to create a item management for thogakade. Technologies- java

### 2021 Mini project (Mini-Game-Bubble-Shooter)

- This is a console game developed using C++ language.

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## EDUCATION

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### University of Kelaniya

#### B.Sc Honours Management and Information Technology 2019-2024

- **Research Publication:** "Review of effective candidate evaluation using KSA parameters " DRC2024
- **GPA-3.75/4.00.**
- Chief Coordinator hackX-5.0

#### Institute of Java and Software Engineering - 2020

- Comprehensive Master Java Developer
- <https://www.ijse.lk/>

#### GCE-Advanced Level- Vidyaloka college, Galle-2019

- Maths stream
- Z-Score-1.91
- Distric Rank- 3

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## ACHIEVEMENTS

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- **Dean's List**-Academic year 2019/2020, 2020/2021, 2021/2022 Excellence in overall academic performance. Faculty of Sciencel University of Kelaniya
- **Microsoft Certified:** Azure AI Fundamentals (AI-900) certification.
- **Postman** API fundamentals student expert.
- **Web Design for Beginners.** : University of Moratuwa - Jun 2022
- **Rank-80,000** : [Hackerrank](#) - Present
- **Expert award** : [Kaggle](#) user- Present

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## EXTRA CURRICULAR ACTIVITIES

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- Slasscom facilitator. (2022)  
Slasscom TechKids programme.
- Member of University Rugby Team. (2022,2023)  
University Of Kelaniya
- Collaborative Tech Lead- (2022-2023)  
Demonstrated by being a team player of many projects organized by IMSSA-UOK.

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## REFERENCES

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- **Prof. Janaka Wijayanayake**  
Head of the Department  
Dep: of industrial management  
university of Kelaniya  
**Phone:** +94 71 974 2124  
**Email :** janaka@kln.ac.lk
- **Mr. Dinesh Asanka**  
Senior Lecturer Grade II  
Dep: of industrial management,  
university of Kelaniya  
**Phone:**+94 77 777 7882  
**Email :**dasanka@kln.ac.lk