

# Wijith Pathirana

Marino, South Australia

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## PROFESSIONAL SUMMARY

Full-stack developer with over 4 years of industry experience and a recently completed Master of Data Science from Flinders University. Proven ability to bridge software engineering and data analytics, with hands-on expertise in Java, Python, and C++, and experience with platforms such as .NET, React, Next.js, and Spring Boot. Demonstrated leadership by guiding cross-functional teams to deliver award-winning, revenue-generating applications. Skilled in developing scalable systems and data solutions using Azure, Databricks, and Power BI. Fully authorized to work in Australia and eager to contribute to innovative, data-driven teams.

## WORK EXPERIENCE

### Developer & Service Provider

2020 - 2022

Dialog Axiata PLC, Sri Lanka

- Led a cross-functional team to enhance the functionality of a high-traffic mobile application, directly contributing to increased user engagement and revenue growth.
- Championed the redesign of in-app navigation, resulting in a more intuitive user experience that decreased support tickets related to navigation by 35% and expanded functionality across teams.
- Drove a mobile app redesign using user behavior insights from Excel and Power BI, leading to a 40% increase in daily active users and improved app store rating to 4.8 stars.
- Delivered a data-driven app that won the 2021 Best Revenue App Award.

### Software Engineer

2018 - 2020

WSO2, Sri Lanka

- Designed and developed a web application using ReactJS and Ballerina to showcase WSO2 API Manager capabilities, leading to a 20% increase in client engagement during product demonstrations.
- Developed a CASQUE Authenticator with CASQUE SNR multi-factor authentication using Java, enhancing system security and reducing production issues by 15%.
- Improved consent management authorization handling in the Identity and Access Management (IAM) Team, reducing user complaints related to access issues by 20%.
- Implemented the "Docs-as-Code" model, integrating documentation with the development process using Shell Scripts, Git, Jenkins, and Netlify, reducing documentation errors by 30%.

## TECHNICAL SKILLS

- Languages: Java, Python, SQL, JavaScript, R, Android (App Development)
- Markup & Web: HTML, CSS, JSX
- Frameworks & Tools: Spring Boot, ReactJS, Git, Shell scripts, Jenkins
- Cloud Platforms: Azure, Microsoft Fabric, Databricks
- Data Analytics: Power BI, Excel (Pivot Tables, Power Query, Macros), DAX
- Development & DevOps: REST APIs, Postman, GitHub/GitLab, CI/CD, Agile, Jira

## SOFT SKILLS

- Effective Communication | Technical Report Writing | Stakeholder Engagement
- Presentation & Data Storytelling | Team Collaboration | Problem Solving

## EDUCATION

### Master of Data Science (Research)

2022 - 2024

Flinders University, South Australia

- GPA: 6.18/7.0
- Research project: Analyzed hospital emergency department efficiency using Python, network graph theory, and Louvain algorithm to identify bottlenecks in patient flow and improve resource planning.
- Finalist for Best Project Award in Maths & Data Science at Flinders University.
- Chancellor's Letter of Commendation from Flinders University for outstanding academic performance.
- Golden Key International Honour Society invitation, representing top 15% of students at Flinders University.

### Bachelor of Science (Special in Computer Science, Research-focused)

2012 - 2018

Eastern University and Jaffna University, Sri Lanka

- GPA: 3.08/4.0
- Research project: Opportunistic Content Sharing Using BitTorrent Approach.
- Developed and simulated a mobile content-sharing system using Java, BitTorrent, and The ONE Simulator.

## CERTIFICATIONS

- Google Data Analytics Professional Certificate – Coursera 2024
- Python Data Structures – University of Michigan 2023
- Microsoft Certified: Azure Fundamentals (AZ-900) – Currently pursuing Expected: May 2025

## PERSONAL TECH PROJECTS

### Healthcare Dashboard in Power BI

- Developed an interactive Power BI dashboard for healthcare data analysis.
- Enhanced data visualization and decision-making by implementing meaningful KPIs, trend analyses, and filters for actionable insights.

### Real-Time Weather Data Streaming and Analytics System

- Data Ingestion: Weather API
- Streaming & Processing: Azure Databricks, Azure Functions, Event Hub
- Storage: Microsoft Fabric & Kusto DB
- Visualization & Alerts: Power BI, real-time alerts with Data Activator

### Full-Stack Booking System

Developing a responsive web-based booking system that includes:

- Backend: Spring Boot microservices for user management, availability tracking, and booking logic
- Frontend: React for a dynamic and user-friendly interface
- Focused on clean architecture, RESTful API integration, and efficient state management