Osanda Lelum

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Personal Statement

Results-driven digital transformation specialist with expertise in AI solutions, data analytics, and enterprise systems. Delivered 50+ BI dashboards and automation that improved decision-making and efficiency. Experienced in integrating ERP and planning systems; strong foundation in computer science and financial engineering. Passionate educator and innovation advocate.

Experience

5+ years

Senior Specialist – Digital Transformation (Promoted from Specialist), GRI (Global Rubber Industries) Pvt Ltd Jan 2023 – Present

- Promoted from Specialist to Senior Specialist for driving key digital transformation initiatives.
- Led major cost-saving initiatives across production and operational functions, generating substantial annual savings and receiving the Best Performing Employee Award.
- Built AI-powered WhatsApp bots integrated with Power BI for insights, reporting, and QA.
- Developed mobile applications to capture curing parameters and field data, improving operational visibility.
- Delivered 50+ real-time BI dashboards across ERP/planning tools, enhancing strategic decision-making.
- Enabled data driven decision making by delivering department specific analytics dashboards and designing architecture customized to business priorities
- Managed project lifecycles from planning to deployment and mentored the BI team.
- Architected and deployed production reporting dashboards integrating data from PLC systems and ERP tools, establishing a centralized data pipeline for tracking key performance indicators and driving data-driven decision-making on the factory floor
- Designed and deployed parameterized Crystal Reports for Siemens Preactor APS covering work orders, capacity utilization, and adherence-to-plan analytics.
- Integrated SQL Server views and ERP datasets with Siemens Opcenter to enable automated data refresh and scheduled report distribution.
- Streamlined production reporting workflows, reducing manual report preparation time and improving planning accuracy.
- Built machine learning models on PLC and sensor data to predict potential machine failures and recommend proactive maintenance.
- Designed and implemented Gatepass and Transport Management workflows for compliance automation.

Visiting Instructor, University of Moratuwa – Department of IT, LK Oct 2022 – Jan 2023

- Conducted practicals and tutorials in Business Intelligence, C#, and Java.

Executive – Process Development, InQube (Pvt) Ltd – Colombo, LK Oct 2021 – Oct 2022

- Enhanced WFX automation and supply chain reporting processes for global apparel operations.
- Supported analytics and process development across multi-country divisions.
- Collaborated with international brands such as Lululemon and Decathlon.

Software Engineer, Surecore (Pvt) Ltd – Colombo, LK Oct 2020 – Oct 2021

- Developed insurance solutions using Angular, Spring Boot, and PostgreSQL.
- Delivered modules for receipting, underwriting, quotations, and group life insurance.
- Supported implementations for Sanasa and Ceylinco Life Insurance.

Visiting Lecturer (Part-Time), Pace Institute – Colombo, LK Jan 2023 – Jan 2024

- Conduct Full-Stack Web Development and Python courses.
- Designed curriculum and lecture content for hands on industry programs.

Education

Postgraduate Diploma in Financial Engineering — *University of Colombo, LK* Sept 2022
- Focused on Python, AI/ANN, and machine learning applications in finance, fintech, and risk management.

Bachelor of Science in Computer Science — *University of Colombo School of Computing, LK* Jun 2021
- **GPA 2.86** | Specialized in Data Structures, Algorithms, Software Engineering, Project Management, Quality Assurance, and Mobile App Development.

GCE Advanced Level (A/L) — *Richmond College, LK* Aug 2016
- Physical Science Stream: Combined Mathematics – A, Physics – B, Chemistry – B.

GCE Ordinary Level (O/L) — *Richmond College, LK* Dec 2013
- Achieved 9 Distinctions.
- Chess Colorsman.

Projects & Publications

AI-Powered WhatsApp Bots & Business Intelligence Dashboards – GRI Mar 2024
- Designed and deployed 50+ BI dashboards integrating ERP, planning tools, and analytics.
- Implemented AI-driven WhatsApp bots for automation of reporting, compliance, and decision-making.

Sathara Web Site Development and Maintenance Current
- Developed and currently maintain all core functions and features of the Sathara web site.

Novacura developments -Tire Performance Mobile Application – GRI Mar 2023
- Developed a mobile app to track tire performance, predictive maintenance, and compliance.
- Enhanced automation across production and quality monitoring.

Product Suite Implementation – Surecore (Sanasa & Ceylinco Life) 2021
- Built and delivered core modules (receipting, underwriting, quotations, reinsurance, group life).
- Ensured seamless integration across enterprise insurance systems.

Work4Me – Group Project (UCSC) 2020
- Full-stack MERN mobile platform connecting employers with part-time workers.
- Designed scalable architecture for real-time job postings and matching.

Kaboni – Individual Project (UCSC) 2019
- E-commerce platform for mobile accessories using HTML, CSS, PHP.
- Implemented secure checkout and product catalog features.

Technologies

Languages: Python, Java, JavaScript, TypeScript, C#, PHP, SQL, HTML5, CSS3
Technologies: React.js, Node.js, Express.js, Spring Boot, Microsoft Power BI, Microsoft Power Apps, Microsoft Power Automate, Novacura Flow, PostgreSQL, MySQL, MongoDB, Firebase, REST APIs, SOAP, JSON, Microsoft Power Platform, MATLAB
Tools & Platforms: Git, GitHub, Docker, Microsoft Azure, IFS ERP, Preactor Planning Tool, WFX, HRIS Systems, Transport Management Systems, Learning Management Systems (LMS), Zoom, YouTube Studio
Third Party Service Integrations: Power BI, Microsoft Outlook, Microsoft Teams, Google Workspace, Oracle Fusion, Dynamics 365

References

References available upon request