

## **Jorge Hebert Saavedra Gómez**

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### ***Profile***

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*Experienced in the design and implementation of management projects and technological platforms for automation and process control, data analysis, and advanced analytics utilizing Microsoft technologies, as well as the R and Python programming languages. My background includes studies and certifications in data processing and information technologies. As a Manager of Business Intelligence for companies operating massive transportation systems, including a fleet of over 1,200 buses, I have accrued more than 15 years of experience in public transport and Bus Rapid Transit systems. I also serve as a Business Intelligence consultant for financial sector companies in Panama City.*

*With an extensive 15-year background in managing maintenance processes for companies with large-scale passenger transportation systems, I have led management processes in the areas of operations, logistics, and procurement.*

### ***Education***

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Florida International University <b>International Certification, Big Data &amp; Business Analytics</b>	Panama City, Panama 2018
Correlation One <b>Data Scientist</b>	Santa fe de Bogotá, Colombia 2020
UITP <b>Electric Bus Operations &amp; Maintenance</b>	Online Course 2022
Ingeman <b>Root Cause Analysis Facilitator</b>	Online Course 2022
Universidad de Interamericana de Panamá <b>Master of Business Administration, Strategic Management</b>	Panama City, Panama 2015
Universidad de Interamericana de Panamá <b>Postgraduate Degree Senior Management</b>	Panama City, Panama 2015
Universidad Autónoma de Occidente <b>Mechanical Engineer</b>	Santiago de Cali, Colombia 2007

## *Experience*

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### **GREENMOVIL SAS**

Senior Maintenance Director

**Bogotá – Colombia**

January 2021 - Current

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- Successfully led the launch of the maintenance operations for a fleet of 406 electric buses, ensuring operational efficiency and service sustainability.
- Developed and implemented preventive and corrective maintenance strategies tailored to the needs of cutting-edge electric vehicle technology.
- Coordinated and motivated a multidisciplinary team of maintenance engineers and technicians, fostering a safe, high-quality, and continuous improvement work environment.
- Oversaw the selection and acquisition of state-of-the-art diagnostic tools and equipment for fleet maintenance.
- Designed and deployed an advanced analytical platform for monitoring and optimizing fleet maintenance.
- Implemented maintenance management software, ensuring efficient task coordination and tracking, optimized resource allocation, and data-driven decision-making.
- Managed negotiations with suppliers for the procurement of services and components, achieving a significant cost reduction without sacrificing the quality or performance of services.

#### Achievements:

- Maintained an operational fleet availability of 98% in the first year, thanks to the implementation of more efficient maintenance processes.
- Played a key role in reducing operational costs by 20% through the integration of an analytical system for efficient resource use and inventory management.
- Improved the efficiency of response time for corrective maintenance by 25%, facilitated by the use of remote diagnostic tools and real-time data analysis.
- Coordinated the implementation of a maintenance management software system that resulted in improved planning and execution of maintenance work, increasing team productivity by 15%.
- Was recognized by the executive management for successfully leading the transition to a fully electric maintenance operation, establishing the company as a leader in innovation in the public transport sector.

### **GMOVIL SAS**

Manager Special Projects

**Bogotá – Colombia**

December 2019 – January 2021

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#### Functions:

- Responsible for designing and implementing the organization's analytical platform for data analysis and exploitation, enabling key areas of the organization to make decisions based on information and achieve much more accurate strategic plans aligned with the company's objectives.

- Coordinated the comprehensive project for the selection and acquisition of 48 new buses, ensuring alignment with operational needs and the technical standards of the fleet.
- Supervised the bidding process, evaluating technical and economic proposals, and negotiating with suppliers to ensure the best terms and conditions for the company.
- Assisted in the implementation of tire management software for a fleet of over 1000 buses and 6000 tires, contributing to the optimization of maintenance costs and resource management.
- Worked closely with interdisciplinary teams, including maintenance, operations, and IT departments, to ensure successful project implementation focused on operational improvement.
- Developed project monitoring and control protocols, improving visibility of progress and ensuring compliance with established deadlines.

#### Achievements:

- Increased operational efficiency through the implementation of the analytical platform, resulting in a reduction in vehicle downtime and a 5% improvement in the maintenance budget.
- Successfully led the integration of 48 new buses, which translated into a 5% expansion of service capacity and a reduction in environmental impact thanks to cleaner technologies.
- Through the implementation of tire management software, achieved a 15% reduction in costs related to tire wear and replacement, as well as a 25% extension in tire life.

**MIBUS S.A**  
Business Intelligence Manager

**Panamá City – Panamá**  
July 2017 – November 2019

#### Functions:

- Established strategic elements to guide the organization in data analysis and exploitation, essential for the company's digital transformation.
- Led the creation and maintenance of the analytical platform, providing crucial tools for the analysis of large data sets.
- Collaborated closely with key company areas, such as operations, finance, and human resources, to understand their information needs and provide tailored solutions.
- Was responsible for identifying deviations in operational performance and detecting opportunities for improvement through data-driven insights.
- Implemented reporting systems and interactive dashboards that enhanced the accessibility and understanding of critical information for decision-making.
- Trained staff in the use of business intelligence tools and data interpretation, ensuring effective adoption across the organization.

#### Achievements:

- Developed a business intelligence system that contributed to a 10% increase in operational efficiency through the optimization of fleet routes and schedules.
- My leadership in the deployment of the analytical platform resulted in a 8% reduction in operational costs, thanks to better resource allocation and inventory management.

- The reports and dashboards I designed were key to a 30% reduction in decision-making time, positively impacting the organization's agility.
- Was recognized by the executive management for improving the data culture in the company, enabling more agile and informed decision-making at all levels.

**MIBUS S.A**  
Maintenance Scheduling Manager

**Panamá City – Panamá**  
March 2014 – July 2017

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Functions:

- Established processes and procedures for predictive and preventive maintenance scheduling, based on asset wear modeling, operational requirements, and fleet reliability for a fleet of 1427 buses.
- Responsible for coordinating and ensuring timely execution of maintenance activities, maintaining high standards of fleet availability and safety.
- Led the implementation of the IBM Maximo maintenance software, tailoring it to our operation's specific needs and ensuring effective integration with other company systems.
- Developed and implemented an information analysis platform that centralized maintenance, operations, and cost data, facilitating data-driven and timely decision-making.
- Coordinated with IT, operations, and finance departments to ensure that the software implementation and analytical platform were aligned with the company's overall objectives.
- Directed training for technical and administrative staff on the use of the new software and understanding of maintenance indicators.

Achievements:

- Improved maintenance scheduling efficiency, achieving an 8% increase in fleet availability and a 10% reduction in unscheduled maintenance costs.
- The implementation of IBM Maximo led to a 15% reduction in downtime due to maintenance and improved accuracy in spare parts inventory management.
- The information analysis platform contributed to continuous process improvements, with a notable reduction in maintenance-related incidents and increased user satisfaction due to fleet reliability.

**MIBUS S.A**  
Maintenance Manager

**Panamá City – Panamá**  
January 2012 – March 2014

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Functions:

- Responsible for implementing and overseeing a maintenance management model focused on the reliability of a fleet of 270 buses, ensuring compliance with the essential technical and operational standards for the operation of the mass passenger transport system.
- Led the development of preventive and predictive maintenance programs to maximize fleet availability and minimize downtime.
- Coordinated the design and construction of the maintenance workshop, ensuring it was equipped with the necessary tools and equipment for efficient fleet maintenance.

- Supervised a team of maintenance technicians and engineers, promoting safe and efficient work practices.
- Established KPIs (Key Performance Indicators) for the tracking and continuous improvement of maintenance processes.

#### Achievements:

- Developed and executed a maintenance model that increased fleet reliability, resulting in a 5% reduction in mechanical failures and maintaining 95% bus availability.
- Played an integral part in the design of the new maintenance workshop, contributing to a 10% improvement in maintenance process efficiency.
- Implemented improvements in spare parts inventory management that reduced maintenance costs by 5%, while increasing operational efficiency.

**CITI MOVIL S.A**  
Maintenance Manager

**Santa fe de Bogota – Colombia**  
August 2011 – January 2012

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#### Responsibilities:

- Planned, directed, and controlled the maintenance processes for a fleet of 80 buses, ensuring fleet reliability and the fulfillment of services established by Transmilenio S.A.
- Established and supervised maintenance policies and procedures, aligning them with the transportation system's guidelines and contractual requirements.
- Coordinated corrective, preventive, and predictive maintenance activities to ensure the continuous and efficient operation of the vehicles.
- Managed the team of maintenance technicians and engineers, promoting a culture of safety, quality, and continuous improvement.
- Developed and implemented strategies for spare parts management and inventory to minimize costs and downtime.
- Monitored fleet management and performance indicators to identify improvement areas and implement corrective actions.

#### Achievements:

- Achieved a fleet availability rate exceeding 95%, surpassing the expectations of Transmilenio S.A, and contributing to uninterrupted service continuity.
- Implemented a preventive maintenance system that reduced mechanical failure incidents by 10%, increasing the lifespan of critical bus components.
- Developed a training program for maintenance staff that improved team efficiency by 15% and enhanced safety practices.
- Optimized inventory management, leading to an 8% reduction in maintenance costs while maintaining high-quality standards for spare parts and materials used.

Functions:

- Accountable for the implementation and execution of maintenance management for a fleet of 300 buses, aiming to meet the availability and reliability requirements for the operation of the mass passenger transport system.
- Led the adoption and implementation of an asset management model for the fleet, optimizing resources and maximizing the vehicles' lifespan.
- Actively participated in the design and equipping of the maintenance workshop, ensuring it was outfitted with the necessary technology and tools for efficient and effective maintenance operations.
- Established and oversaw maintenance protocols, both preventive and predictive, continuously seeking improvement and downtime reduction.
- Coordinated and managed a team of maintenance professionals, including engineers and technicians, promoting a safe and highly productive work environment.
- Developed and monitored Key Performance Indicators (KPIs) to measure the effectiveness of maintenance activities and to make proactive adjustments.

Achievements:

- Successfully increased fleet availability to 95%, surpassing the availability and reliability targets set by the organization.
- Played a key role in the design of the new maintenance workshop, resulting in a 10% increase in maintenance procedure efficiency.
- The implementation of the asset management model led to a 5% reduction in total maintenance costs through optimized part and component usage and replacement.
- Introduced training programs for maintenance staff that improved the technical skills of the team and increased operational efficiency by 10%.

Research Areas:

- Conducted research on technologies applicable to passenger transport equipment to document and structure the tender specifications for the MIO system operation.
- Analyzed operating costs of mass passenger transport systems to optimize and make efficient use of resources.
- Investigated equipment for suspended passenger systems, participating in the implementation of the Mio-Cable.
- Studied equipment and systems for the control of emissions produced by heavy buses, aimed at documenting and structuring the emissions laboratory project for the MIO system.

Achievements:

- Authored a technical document that regulates the technical specifications of the buses for the MIO Transport System, contributing to compliance with quality and safety standards.
- Produced a technical document that establishes the guidelines for the basic areas of yards and workshops, including a model for spatial sizing, optimizing space and resources.
- Developed a fleet technical protocol to guide the acceptance process for new vehicles into the MIO Mass Transport System, ensuring the quality and efficiency of the vehicle fleet.
- Drafted a technical document that regulates the performance indicators of the operation, in terms of methodology and qualification, setting clear standards for evaluation and continuous improvement.
- Participated as a member of the technical committee for the development of the Colombian Technical Standard, which establishes the minimum parameters that passenger transport vehicles must meet, influencing national regulations.
- Compiled a technical document that specifies the equipment to be incorporated into the MIO system's emissions laboratory, improving the environmental management of the system.
- Served as a technical member in the tender structuring process for yards and workshops, ensuring that maintenance processes meet technical and operational requirements.
- Was part of the technical team to structure the tender specifications for a suspended transport system to be implemented in commune 20 in Cali, expanding the capacity and efficiency of the city's transport system.