Ines Birimahire

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PROFESSIONAL SUMMARY

Results-driven IT professional with 8+ years of experience in developing and implementing innovative solutions in artificial intelligence, big data, and intelligent automation. With strong analytical thinking and a proactive approach, I design scalable and impactful solutions that drive business outcomes.

A natural leader, I successfully lead cross-functional teams and align technology initiatives with business priorities.

WORK EXPERIENCE

AI Engineer   *Mar 2025 - May 2025*
Fujitsu・Canada・Québec

Methodology: Agile
Tools & Environments: Python, OpenAI API, LLMs, REST API, Azure DevOps, HRIS, Docker, AWS Cloud Services, Lambda, Step Functions, S3, CloudWatch, Cloud9

- Developed an AI tool that can extract and organize data from CVs.
- Designed and optimized AI-driven HR prompts to enhance candidate profile accuracy and align with client demands.
- Implemented contextual and role-based prompting to improve performance assessments, decision-making and hiring.
- Fine-tuned LLMs by adjusting model parameters for better responsiveness and precision in HR applications.
- Developed and tested prompt templates to create reusable structures tailored to diverse client needs.
- Processed and structured workforce data for LLM adaptability, ensuring quality deployment and seamless integration.
- Automated AI-driven HR workflows to enhance recruitment efficiency and optimize operational scalability.

Senior Power Platform Consultant   *Aug 2022 - Mar 2025*
Fujitsu・Canada・Québec   Client : Ville de Montréal

Methodology: Agile (Scrum), CI/CD
Tools & Environments: Power Platform (Power Apps, Power Automate, Power BI), Dynamics 365, C#, Azure Functions, Logic Apps, Git, Azure DevOps, JIRA, REST API, Ribbon Workbench, JavaScript, Docker, Databricks, .NET Framework, Power Fx, Experlogix Smart Flows.

- Conducted business needs analysis and drafted detailed technical specifications.
- Designed and developed robust, scalable applications on Microsoft Power Platform and Dynamics 365 CRM.
- Performed advanced customization of Dynamics 365 CRM including entities, forms, views, business rules, and security roles.
- Developed reusable components (scripts, custom connectors) to enhance maintainability.
- Implemented client-side development using JavaScript and customized the UI with Ribbon Workbench.
- Integrated Dynamics 365 CRM with other systems via REST APIs, Azure Functions, and Logic Apps.
- Built workflows and automation using Power Automate, including validation mechanisms and notification systems.
- Maintained a secure solution architecture to ensure data confidentiality and system integrity.
- Applied DevOps best practices for source control with Git and Azure DevOps, and implemented CI/CD deployment pipelines.
- Developed error-handling and exception-management strategies to improve application reliability.
- Managed tasks, user stories, and defects using JIRA, with prioritization in collaboration with POs and Scrum Masters.
- Created technical documentation, user guides, and comprehensive project documentation.
- Provided post-deployment support, including corrective and evolutionary maintenance for Dynamics 365 solutions.
- Actively participated in Agile sprints, code reviews, and continuous improvement with cross-functional teams.

Business Intelligence & Analytics Analyst *Sept 2021 - Aug 2022*
Fujitsu・Canada・Québec Client : Revenu Québec

Methodology: MLOps, Agile
Tools & Environments: MLflow, MongoDB, Streamlit, Python, AutoML, REST API, JSON, Azure, Databricks, Airflow, Spark, Docker, Cloudera, Glue, Athena, Redshift

- Developed AI model training environments and deployment infrastructure.
- Delivered production-ready code templates (Bootstrap) with clear documentation for data scientists.
- Implemented AutoML tools to automate the application of machine learning models.
- Conducted exploratory data analysis (EDA) and performed asymmetric data encryption at rest on MongoDB.
- Trained artificial neural networks (ANNs) for automated data classification and clustering.
- Applied MLOps methodology for data lifecycle management, version control, and reproducibility of ML models.
- Documented model variables and optimized their accessibility in centralized locations.
- Reviewed and improved existing ETL processes.
- Used JSON for model data serialization and deserialization.
- Deployed MLflow servers for managing Machine Learning pipelines.
- Provided analytical support to the team responsible for the client-facing chatbot within the data environment.
- Evaluated model performance using a visualization interface built with Streamlit.
- Developed REST APIs for interaction with AI models.
- Held regular meetings with clients to gather functional and technical requirements.
- Conducted demos, training sessions, and AI knowledge-sharing workshops for internal teams.

Robotic Process Automation (RPA) Consultant *Jan 2019 - Aug 2021*
Humans4Help・Montréal・Québec

Methodology: Agile (Kanban)
Tools & Environments: Power Automate, QnA Maker, Microsoft Bot Composer, myInvenio, .NET, Docker, AWS Lambda

- Designed and implemented cloud-native solutions for process automation.
- Performed risk analysis and management to enhance system reliability.
- Developed and validated RPA solutions aligned with business requirements.
- Maintained a secure architecture, ensuring data and RPA tool access based on user roles.
- Collaborated with stakeholders to ensure compliance with regulatory standards.
- Built automated workflows using Power Automate.
- Utilized business process discovery and modeling tools (myInvenio).
- Created a knowledge base using QnA Maker within Microsoft Bot Composer.
- Managed and documented use cases to promote adoption of automated solutions.

Machine Learning Engineer *Sep 2019 - Dec 2019*
Vector Institute for AI ・Toronto・Canada

Methodology: Agile
Tools & Environments: Git, Python, UX tools, NLP models (BERT), Flask, Hadoop, Spark, Kafka, AWS Cloud Services, S3

- Designed and implemented business-oriented reporting solutions.
- Analyzed and optimized databases to enhance performance.
- Conducted usability studies and user testing to refine interface design.
- Developed UX models to improve user navigation and engagement.
- Managed version control and updates using Git to ensure structured development.
- Created and updated technical and functional documentation.
- Designed and implemented advanced security testing modules.
- Assessed risks and deployed patches to strengthen data protection.

- Developed multitask NLP models for language processing and analysis.
- Automated natural language–based processes to improve operational efficiency.

Data Analyst & Automation Specialist   *Dec 2017 - Jun 2019*
SONARWA・Kigali・Rwanda

Methodology: Waterfall
Tools & Environments: SQL, PL/SQL, MS Access, Domo, Salesforce, BigQuery, .NET, VBA, SPSS, Docker, Glue, Athena

- Created and managed relational databases (SQL, PL/SQL, MS Access).
- Designed and optimized database application forms.
- Automated data management and update processes.
- Developed dashboards and analytical solutions using Domo, Salesforce, and BigQuery.
- Performed advanced data analysis and statistical modeling with SPSS.
- Integrated and customized BI tools for data visualization.
- Generated automated and consolidated reports from multiple systems.
- Implemented alert systems for performance monitoring.
- Developed .NET and VBA applications for reporting and data consolidation.
- Monitored and audited data integrity.
- Strengthened control mechanisms to ensure reliability of business information.

Data Analyst   *Jun 2015 - Oct 2017*
Carlcare・Kigali・Rwanda

Methodology: Waterfall
Tools & Environments: Excel, SQL, Data Studio, Tableau, Access, Power BI, Tableau, Python, Kafka, Lambda

- Developed and implemented data analysis processes to enhance decision-making and operational efficiency.
- Automated data collection and analysis tasks, reducing processing time by 30%.
- Designed and maintained interactive dashboards to provide insights and track key performance indicators.
- Collaborated with cross-functional teams to understand their data needs and deliver actionable insights.
- Conducted in-depth research and analysis to support strategic initiatives and identify opportunities for improvement.
- Improved data accuracy and reporting reliability by creating and refining data models.
- Trained team members on data analysis tools and automation techniques to increase overall productivity.
- Ensured data governance and compliance with industry standards to maintain data security and integrity.
- Identified and resolved data discrepancies, thus preventing potential issues and enhancing data quality.
- Collaborated with IT teams to integrate and streamline data systems, ensuring seamless data flow across departments.
- Designed analytical dashboards and dynamic visualizations.

EDUCATION

- **Big Data Developer (LEA.CO)**   2024
  Collège de Bois de Boulogne -Montréal –Canada
- **MSc, Artificial Intelligence**   2019
  African Institute for Mathematical Sciences - AMMI(Google & Facebook) -Kigali-Rwanda
- **MSc, Mathematical Sciences**   2017
  University of Ghana

TECHNICAL & FUNCTIONAL SKILLS

- **Big Data & Cloud Technologies :** Databricks, Docker, Hadoop, Cloudera, Kafka, Spark, AWS cloud services and Airflow.

- **AWS Data Engineering :** Design and management of data pipelines on AWS.

- **AWS Cloud Data Pipeline Builder :** Automate and orchestrate data pipelines in the cloud.

- **AWS Services** : S3, Glue, Athena, Redshift, Kinesis, Lambda, EC2, CloudWatch, Cloud9, Step Functions, Route53.

- **Security and access management** : IAM, encryption, cloud monitoring.

- **Languages :** Python (OOP), SQL, JSON, JavaScript, C#.

- **Databases :** MySQL, PostgreSQL, MongoDB, HDFS, Apache HBase.

- **Tools :** Azure DevOps, Git, JIRA, MLflow, Streamlit, Flask, Power Platform (Power Automate, Power Apps, Power BI), Dynamics 365.
- **Functional**: Requirements gathering, process modeling, root cause analysis, technical documentation

CERTIFICATIONS

- Microsoft Certified: Power Platform Functional Consultant Associate (2025)

- AWS Certified – Data Engineering (2025)

- AWS Certified – Cloud Data Pipeline Builder (2025)

- UiPath Certified RPA Associate v1.0 (2021)

- Rasa Certification Workshop – Udemy (2021)

- AZ-400T00 Designing and Implementing Microsoft DevOps Solutions (2020)

- Automation Anywhere Certified – Advanced RPA Professional (2020)

- IA Programming with Python – Udacity (2019)

- Data or Specimens – Massachusetts Institute of Technology (2019)

- Mathematics for Machine Learning : PCA – Imperial College London (2018)