

Treza Bawm Win

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AI and data science enthusiast with a decade year of backend engineering experience in travel tech and a strong foundation in Java, Python and data analytics. Recently completed an M.Sc. in Big Data & Business Analytics at ESCP Business School and currently working as an AI Engineer, gaining hands-on experience in LLM applications and data-driven solutions. Passionate about building scalable, intelligent systems and collaborating with cross-functional teams.

AREAS OF EXPERTISE

- Java, Python, SQL
- ML techniques
- RAG, LangChain, AI Agent
- Design pattern, data structures & Algos
- REST APIs, React, Node.js
- Tableau, Dataiku
- Teamwork, Leadership, Scrum master
- Git, Docker, Jira, Confluence, Agile
- Airport operation domain knowledge

PROFESSIONAL EXPERIENCE

APM CREATIVE DIGITAL

AI Engineer Intern

Aug 2025 – Dec 2025

Paris

- Applied LLMs to support compliance auditing of smart contracts in regulated finance.
- Designed and implemented a hybrid AI framework for auditing contracts and built evaluation pipelines and benchmarked LLM prompts generated outputs against expert-reviewed compliance rules.
- Developed a RAG solution to enhance the accuracy and coverage of rule extraction from legal texts.
- Supported research for a Master's thesis on AI-augmented auditing in tokenized finance.

AMADEUS GDS PTE LTD

May 2022 – Sep 2024

Singapore

Senior System Analyst

- Developed and implemented a multi-airports message center application, leveraging data analytics to optimize high-traffic airport message management, improving operational efficiency by analyzing message flow and enhanced instant switch functionality between airports.
- Led a team of 3 to develop Blackduck and Fortify scanner tools, resolving critical security and compliance issues in all existing project solutions, and reduced license management risks by more than 50%.
- Contributed to architect and steer committee, driving technical decisions aligned with strategic objectives.
- Managed a maintenance team of 4, utilizing data from production and pre-production environments to prioritize troubleshooting, ensuring system stability and reducing downtime by 30%.

AMADEUS IT GROUP

Nov 2018 – Apr 2022

Nice, France

Software Development Engineer

- Built airport resource management capabilities with rules and optimization aligned to business KPIs.
- Implemented Drools rule engine to prioritize operations against airport SLAs and KPI thresholds.
- Developed services in Java with REST integrations and front-end interfaces; improved test coverage.
- Partnered with operations teams to validate rules against real-world scenarios and performance constraints.

AMADEUS GDS PTE LTD

Aug 2012 – Oct 2018

Singapore

System Analyst

- Delivered optimization and backend services for airport operations and supported UAT for major customers.
- Built fixed-resource optimization using OptaPlanner; tuned constraints to balance throughput vs. cost.
- Led development of Java server-side apps with REST, JMS, ActiveMQ, and EJB across distributed environments.
- Supported UAT for Changi Airport; coordinated triage and defect resolutions with stakeholders.

EDUCATION

ESCP Business School

2024 - 2025

France/Germany

M.Sc. in Big Data and Business Analytics

- Projects: Machine learning, NLP, Data mining, etc.; Hackathon group project winner at Criteo

National University of Singapore/Institute of Systems Science

2017 - 2018

Singapore

Master of Technology in Software Engineering (dropout)

National University of Singapore/Institute of Systems Science

2011 - 2012

Singapore

Graduate Diploma in Systems Analysis

University of Computer Studies Yangon

2005 - 2009

Myanmar

Bachelor of Computer Science B.C.Sc. (Honors)

SPOKEN LANGUAGES

Burmese: Native | English: C1 | French: A2 | Korean: A2