

Contact

+33766516906 (Mobile)
jeswin.arul.samuel@gmail.com

www.linkedin.com/in/jeswinarul
(LinkedIn)

Top Skills

Full-Stack Development
FastAPI
AI Agents

Languages

French (Elementary)
Hindi (Professional Working)
English (Native or Bilingual)
Tamil (Native or Bilingual)

Certifications

AgilePM® Foundation
Python Data Science Toolbox (Part 1)
Data Analyst with PowerBI
ChatGPT and LangChain LLM: The complete developer's guide
Python Data Science Toolbox (Part 2)

Jeswin Arul Samuel

AI & Data Professional | GenAI & ML Specialist | Deep Learning | LLMs | RAG | Quicksight | Python | SQL | MSc Artificial Intelligence | Ex-Amazon | Robotics | IoT | Business Transformation | Business Intelligence

Paris, Île-de-France, France

Summary

I'm an AI-first technologist with a decade of experience driving innovation at the intersection of artificial intelligence, data, IoT, and robotics. My journey spans startups, enterprise tech, and academia — all connected by one mission: using technology to solve real-world problems and empower people through systems, tools, and education.

At Amazon Luxembourg, I worked as a Business Intelligence Engineer Intern, where I developed a customs audit system that automated 99% of trade record checks using Quicksight dashboards and SQL logic. I also designed data schemas for international trade brokers and implemented multi-layer data validation, improving data quality from 38% to 87%.

In 2022, I moved to Paris to pursue my MSc in Artificial Intelligence for Business Transformation (SKEMA & ESIEA) and Post Graduate Diploma in International Business. My thesis focused on learning behavior on e-learning platforms, tying my interests in AI and EdTech.

Before masters, I built and delivered AI, ML, and IoT training programs at Lema Labs (IIT Madras incubated). I trained and mentored 3000+ students, with over 30% winning in hackathons and robotics competitions. I led curriculum development in Machine Learning, built digital learning products using SCORM and Adobe Suite, and deployed them on a custom LMS I built on OpenEDX during the COVID pivot.

I also co-founded and led the Lema Community, a makerspace where we ran 36-hour makeathons and connected aspiring engineers to industry mentors. I wore many hats — trainer,

curriculum designer, hiring manager, business developer, and mentor.

After Lema, I joined Informatica as a Senior Curriculum Developer, building global training content on enterprise data tools like PowerCenter, IDQ, and MDM using Articulate Rise and traditional ILT materials.

Currently, I'm deep into Generative AI, LLMs, RAG pipelines, chatbots, vector databases, and agentic workflows. I also train professionals and students in modern AI, data analytics, and applied statistics.

I'm seeking opportunities in AI Engineering, Data Engineering, or hybrid roles that connect tech with business. Let's connect.

Experience

Freelance

AI & Data Science Engineer & Trainer

April 2024 - Present (1 year 9 months)

- Actively building prototypes and constantly upskilling to explore AI technologies like LLM's, SLM's, RAG, LLM Fine tuning, toolkits, Agentic AI and more.
- Independently training working professionals and university students in topics including Machine Learning, Deep Learning, Gen AI, Data Science, Data Analytics, Business Intelligence, Statistics

Amazon

Business Intelligence Engineer

July 2023 - December 2023 (6 months)

Luxembourg, Luxembourg

- Developed broker data schemas by aligning Amazon's customs data central with 5 external broker systems; collaborated with compliance stakeholders post-Brexit.
- Built an automated audit dashboard using Amazon Quicksight and SQL, improving audit coverage from <1% to 99% across 3 data sources.

- Designed and implemented pre- and post-ingestion validation checks, improving broker data quality from 38% to 87%.

- Worked cross-functionally with EU trade compliance, engineering, and analytics teams on high-impact regulatory data flows.

Informatica

Senior Curriculum Developer

November 2021 - August 2022 (10 months)

- Developed e-learning and instructor-led training for enterprise products: PowerCenter Admin, IDQ, P360, MDM, IICS.

- Built SCORM-compliant courses using Articulate Rise 360, Word, and Adobe tools for global customer enablement.

- Collaborated with SMEs to translate complex product knowledge into accessible, modular content for Informatica University.

Lema Labs

6 years

Senior Engineer & Digital Transformation Executive

April 2020 - September 2021 (1 year 6 months)

- Spearheaded the digitalization of key data resources, enabling online access to analytics tools and

retaining 60% of revenue during market challenges.

- Maintained and optimized data-driven content on the LMS, onboarding over 100 clients monthly with

AI/ML and analytics resources.

- Contributed to 40% of revenue during the pandemic by training clients in AI, ML, and data analytics applications.

Digital Transformation Executive

October 2019 - September 2021 (2 years)

Data Science and Machine Learning Engineer

January 2018 - September 2021 (3 years 9 months)

Community Manager

September 2017 - September 2021 (4 years 1 month)

Liase between Lema Labs and the Lema community (community of created for clients to interact, ideate and innovate) to help them organize events and competitions to help them think bigger and innovative and upskill.

Data Analyst

April 2017 - September 2021 (4 years 6 months)

Market Research Analyst

March 2017 - September 2021 (4 years 7 months)

Performed market survey by collaborating with Industry experts, Subject Matter Experts, clients to understand the emerging technologies in the market to develop products to help upskill and fulfill the skill gap for clients.

IoT Engineer

November 2016 - September 2021 (4 years 11 months)

Product Development Manager

April 2016 - September 2021 (5 years 6 months)

As a product development manager I oversaw the development of the products from Idea phase to a Minimum Viable Product; test them on early adopters; integrate continuous development till final deployment using lean canvas and agile methodologies

Technical Consultant

January 2016 - September 2021 (5 years 9 months)

Provided consultation and mentored 500+ clients to implement technology in their products and projects

Technical Trainer

October 2015 - September 2021 (6 years)

Delivered the Lema Labs training programs to 3000+ customers in classroom environment and virtual environment with complete hands-on sessions and mentoring sessions.

Curriculum Developer

October 2015 - September 2021 (6 years)

Managed and developed 2 robotics curriculum, 1 IoT curriculum and 2 Data Science and Machine Learning curriculum using Agile and Lean methodologies

Robotics and Embedded systems Engineer

October 2015 - March 2020 (4 years 6 months)

Worked on different embedded projects using embedded protocols like GPIO, ADC, I2C, SPI, USART, Bluetooth, EEPROM with 8-bit Microcontrollers, 32-bit STM controllers and Microprocessors.

Worked with various sensors like IR sensor, Ultrasound sensor, RFID's, MEMS devices, camera etc.. and various actuators like DC motors, servo motors, stepper motors etc.. with motor drivers.

Built path planning mobile robots and cartesian robots.

Hiring Manager

September 2017 - October 2019 (2 years 2 months)

Hired 3 new entrants and oversaw their training and onboarding successfully

Education

SKEMA Business School

Master of Science - MSc, Artificial Intelligence for Business Transformation
· (September 2022 - December 2023)

KCG College of Technology

BE - Bachelor of Engineering, Electronics and Communications
Engineering · (2010 - 2014)