

Aju John

AI & Data Engineering Lead

Experienced Data Engineering leader with 13+ years in building scalable data platforms and, in recent years, driving AI and MarTech innovation across Thailand's leading retail brands.

WORK EXPERIENCE

AI & Data Lead Engineer 2021 – Present

Central Group, Bangkok, Thailand

Leading AI and data engineering initiatives across Thailand's largest retail group (PowerBuy, Supersports, Tops, Central Department Store). Architected Strainer, a real-time ML personalization engine serving 10M+ users with 35% conversion uplift. Built AI-Powered Semantic Search using transformer embeddings achieving 92% success with sub-200ms latency. Developed FeedFusion, an LLM-driven marketing feed automation platform reducing manual effort by 80%. Established a Marketing Data Hub integrating 25+ sources with real-time Dagster ETL pipelines processing 100M+ events daily. Designed AI Catalogue Enrichment leveraging fine-tuned LLMs for automated categorization, attribute generation, and SEO content with 95% accuracy.

Senior Software Engineer 2018 – 2021

PropertyFinder & JRD Group, Dubai, UAE

- Architected and optimized high-traffic real estate platforms for the UAE market.
- Built scalable backend and APIs using Node.js, SOLR, and MySQL.
- Enhanced UX and mobile responsiveness, boosting engagement by 40%.
- Implemented advanced search with filters, faceting, and geo-queries.
- Enabled real-time property data sync across multiple platforms.

Associate (Project) 2016 – 2018

Cognizant Technology Solutions, Pune, India

Delivered healthcare technology solutions for digital health transformation initiatives.

- Led development of key healthcare system features including appointment scheduling, chat, and telemedicine functionality using Twilio integration
- Integrated Braintree payment gateway and optimized backend database queries for faster data retrieval and improved system performance
- Designed and implemented secure RESTful APIs for patient-provider communication and medical records management

Senior Software Engineer 2015 – 2016

Cuelogic Technologies, Pune, India

Software Engineer 2014 – 2015

Makaan.com, Delhi, India

Software Engineer 2012 – 2014

UNEVA Automations Pvt Ltd, Allahabad, India



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EDUCATION

Masters in Computer Application

SHUATS University

2009 – 2012

Bachelor of Computer Application

Lucknow Christian College

2006 – 2008

SKILLS

- Data Engineering & ETL
- AI & Machine Learning
- Cloud Architecture (GCP, AWS)
- Team Leadership & Strategy

TECHNOLOGIES

- Python, SQL, MongoDB, GoLang
- BigQuery & Data Warehousing
- Docker, Kubernetes, Dagster, Airflow
- LangChain, Vector DBs, Redis
- jQuery, Angular JS, Vue.js, Ember.js
- OpenWebUI, Grafana
- NodeJS, HTML, CSS, JavaScript