

Alon Parag

AI Engineer | Full Stack Engineer

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Summary

AI Engineer with a strong background in machine learning, data engineering, and complex system development. Experienced in designing and implementing RAG systems and information retrieval solutions. Skilled in Python, LangChain, and modern AI/ML frameworks. Passionate about innovation and leveraging emerging technologies to build scalable AI solutions. Strong analytical mindset with proven ability to work in fast-paced, evolving environments.

Skills

Technical Skills

Python - 5 YoE

- **Framework and libraries:**
 - Langchain: 3 Years
 - Langgraph: 2 years
 - Pydantic: 4 years
 - FastAPI: 3 Years
 - Airflow: 5 years
 - SQLAlchemy: 5 years
 - Pytest: 5 years

Typescript - 3 YoE

- **Framework and libraries:**
 - NestJS: 3 Years
 - Langchain-JS: 3 years
 - React: 1 year
 - Vite: 1 year
 - TypeORM: 1 year

Databases and Infrastructure

- **Framework and libraries:**
 - Postgres: 5 years
 - MongoDB: 3 years
 - Kafka: 4 years
 - AWS: 5 years
 - Docker: 5 years

Soft Skills

- Strong client communication & technical consulting abilities.
- Problem-solving & critical thinking in data-driven projects.
- Experience in collaborating with technical & non-technical stakeholders.
- Ability to manage multiple projects in fast-paced environments.
- Proven leadership and mentoring abilities.

Experience

Attunement - Alon Parag | Paphos, Cyprus | 01/2025 – Present

AI Engineer

Key Responsibilities:

- Consulting clients on AI enabled projects
- Providing hands on support

Technologies:

Python. Typescript, Langchain, Pydantic, FastAPI, NestJS, React, Postres, MongoDB, AWS, Docker,

TAIWA GmbH | Berlin, Germany | 07/2023 – 02/2025

AI Engineer

Key Responsibilities:

- Develop TAIWA AI service.
- Design and develop TAIWA data analytics platform.
- Lead AI and Data delivery schedule.
- Lead research efforts into new technology.
- Mentor and guide other AI team members.
- Present AI and Data solutions to the entire company

Notable contributions and achievements

- Design and development of the AI service from the ground up.
- Design and development the data analytics service from ingestion to delivery.
- Research and implementation of **RAG** for Taiwa service.
- Implementation of custom GenAI use-case for organizational training.
- Identified opportunity for infrastructure **cost reduction** which saved 50% on costs.
- Providing ongoing support for backend development.

Technologies:

Python. Typescript, Langchain, Pydantic, FastAPI, NestJS, Postres, MongoDB, AWS, Docker, Datadog

Sparrow GmbH | Berlin, Germany | 04/2023 – 07/2023

Data Engineer

Key Responsibilities:

- Defining and developing automations for cleaning and structuring complex unstructured data from global and European manufacturers and suppliers.

Contribution:

- Built automated scrapers to populate customers spare parts catalog.

Transitioned to an AI Engineer role for further career growth.

Technologies:

Python, Postgres

Experience

wefox GmbH | Berlin, Germany | 11/2021 – 04/2023

Data Platform Engineer

Key Responsibilities:

- Developing and maintaining wefox's data platform's ingestion tool.
- Ensure data observability for BI developers.
- Support BI developers and other users of the data platform.
- Mentor new engineers.

Notable contributions and achievements:

- Designing and building a generic ingestion tool to handle more than a 100 data sources of different types.
- Implemented data observability solutions and enhanced system reliability.
- Introduced data historization methods such as type-2 historisation to our data warehouse

Technologies:

Python, Airflow, Kafka, Postgres, Snowflake, dbt, Docker, AWS, Grafana, Prometheus

Bootcamp

Code Academy Berlin | Berlin, Germany | 04/2021 – 09/2021

Data Engineering Bootcamp

- Data Analysis
- Data Visualization
- Machine Learning
- Data Engineering

Online Courses

Kaggle

- Intermediate Machine Learning
- Advanced SQL
- Feature Engineering
- Time Series & Forecasting

Other Certifications

- Machine Learning Specialization
 - IBM Data Science Foundation
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Languages

English Native

German Fluent (C1)

Hebrew Native

Open Source Contribution

- Expanding langchain-aws to support async-documentdb vectorstore