Abdulla Alawad
Senior Senior Full-Stack AI Engineer

SUMMARY

- Senior Full-Stack AI Engineer with 6+ years in Python, TypeScript, React, Next.js, FastAPI, PostgreSQL, and AWS.
- Expertise in LLM-based systems including RAG, semantic search, embeddings, and AI-powered document intelligence.
- Delivered 20+ REST/AI APIs, 15+ React/Next.js modules, and deployed 6+ production environments with CI/CD and Docker.
- Led AI platform development processing 1M+ pages and multimodal data ingestion for enterprise knowledge retrieval.
- Computer Science graduate with proven impact on AI hyper-personalization and large-scale SaaS platforms.

TECHNICAL SKILLS

Main Technical Skills	Python (6 yr.), TypeScript (6 yr.), React (6 yr.), Next.js (6 yr.), FastAPI (4 yr.)
Programming Languages	Python (6 yr.), TypeScript (6 yr.)
Python Frameworks	FastAPI (4 yr.)
AI & Machine Learning	LangChain, LangGraph, LLM, RAG (3 yr.), Semantic Search (3 yr.)
JavaScript Frameworks	Next.js (6 yr.), React (6 yr.)
JavaScript Libraries and Tools	React Native (2 yr.)
Databases & Management Systems / ORM	MongoDB (2 yr.), Redis (4 yr.), relational databases
Industry Domain Experience	Embedded (3 yr.)
Deployment, CI/CD & Administration	CI/CD (3 yr.)
Methodologies, Paradigms and Patterns	Distributed systems, microservices, System Design
Virtualization, Containers and Orchestration	Docker (3 yr.), Kubernetes, Terraform
SDK / API and Integrations	FastAPI (4 yr.), GraphQL, MCP, OpenTelemetry
Version Control	Git

Message/Queue/Task Brokers	Kafka
Other Technical Skills	Agentic AI

WORK EXPERIENCE

Full-Stack + AI Engineer - ITI Concierge (ITI Concierge - AI Knowledge / RAG Platform)

Duration: 08/2025 – 07/2026

Summary:

- Built an AI knowledge platform serving an organization with 25,000+ members across 100+ countries
- The platform is a standalone AI web application grounded in decades of organizational knowledge, designed to provide accurate and reliable responses

Responsibilities:

- Developed and delivered a standalone AI web application.
- Ensured response accuracy and reduced hallucination risk by grounding responses in approved knowledge sources.
- Managed AI knowledge platform development and deployment.

Full-Stack + AI Engineer - Newzip (Newzip - AI Hyper-Personalization Platform)

Duration: 06/2024 – 11/2024

Summary: Delivered an AI proof of concept platform designed to generate personalized insights for over 10,000 users, enhancing user engagement and conversion rates through hyper-personalization.

Responsibilities:

- Developed AI-powered personalization features.
- Contributed to platform design and implementation to increase user engagement and conversions.

Full-Stack + AI Engineer - Netguru (Multiple Client Projects)

Duration: 06/2024 – 07/2026

Summary:

- Delivered over 8 client projects spanning AI, SaaS, enterprise platforms, and modern web applications
- Architected production AI capabilities using LLMs, RAG, embeddings, semantic search, and workflow automation

Responsibilities:

- Architected and developed AI capabilities and production environments.
- Developed REST/AI APIs and React/Next.js modules.

- Deployed production environments using Docker, CI/CD, automated testing, and monitoring.

Technologies: Python, TypeScript, React, Next.js, FastAPI, PostgreSQL, Redis, AWS, Docker, CI/CD

Full-Stack Engineer - Pryon (Ingestion Engine - Multimodal AI Ingestion & Knowledge Processing Platform)

Duration: 06/2023 – 04/2024

Summary: Contributed to ingestion workflows designed to continuously process millions of pages of enterprise content from multiple repositories, supporting multimodal content including text, images, audio, and video for downstream RAG systems.

Responsibilities:

- Worked on document-processing stages including extraction, normalization, layout analysis, chunking, metadata enrichment, and embedding generation.
- Supported ingestion from multiple enterprise repositories.
- Enabled multimodal content processing pipelines.

Technologies: Python, FastAPI

Full-Stack Engineer - Pryon (Retrieve Engine - Enterprise Knowledge & Retrieval Platform)

Duration: 09/2022 – 06/2023

Summary: Contributed to retrieval workflows designed to search across over 1 million pages of enterprise content with sub-second retrieval requirements, integrating AI capabilities for semantic retrieval, relevance ranking, and RAG/LLM workflows.

Responsibilities:

- Worked across multiple retrieval stages including query processing, embedding, content matching, ranking, and source attribution.
- Integrated AI capabilities and supported integrations with various enterprise content repositories.

Technologies: Python, FastAPI, React, Next.js

Full-Stack Engineer - Pryon (Enterprise AI Platforms)

Duration: 09/2022 – 04/2024

Summary: Supported two major enterprise AI platforms focused on knowledge retrieval and multimodal data ingestion, processing over 1 million pages through document-processing workflows.

Responsibilities:

- Engineered Python/FastAPI services and React/Next.js modules for AI workflows.
- Designed retrieval stages including embeddings, semantic search, query expansion, reranking, and source attribution.
- Processed large-scale document workflows supporting multimodal enterprise knowledge and retrieval.

Technologies: Python, FastAPI, React, Next.js

Software Engineer - Careem (Taxi, Food & Delivery Platform)

Duration: 01/2022 – 12/2022

Summary: Supported a food-delivery ecosystem with over 10,000 restaurant partners during the Super App expansion, contributing to critical customer workflows and improving order and delivery reliability.

Responsibilities:

- Contributed to customer workflows including restaurant discovery, menu browsing, cart management, checkout, and order tracking.
- Developed and integrated application layers across frontend, backend APIs, and database services.
- Improved reliability of order and delivery scenarios including payment failures and delivery tracking.

Technologies: Python, Node.js, React, PostgreSQL, MongoDB, Redis

Software Engineer - Careem (Ride-Hailing Platform)

Duration: 01/2021 – 12/2021

Summary: Supported backend systems involved in millions of ride transactions across Careem's regional markets, optimizing core backend areas to improve reliability under high-demand traffic.

Responsibilities:

- Contributed to ride-lifecycle workflows including booking, Captain matching, trip start, cancellation, and completion.
- Optimized API processing, database operations, and caching.
- Strengthened automated testing to reduce regression risk in production releases.

Technologies: Python, Node.js, React, PostgreSQL, MongoDB, Redis

Software Engineer - Careem (Careem Super App, Mobility and Food Product Areas)

Duration: 06/2020 – 08/2022

Summary: Supported three major product areas serving millions of customer interactions, delivering critical workflows and optimizing backend and frontend modules for performance and reliability.

Responsibilities:

- Delivered critical workflows covering ride booking, driver matching, food ordering, payments, and real-time tracking.
- Engineered backend APIs and frontend modules.
- Optimized API, database, caching, and real-time service workflows.

Technologies: Python, Node.js, React, React Native, PostgreSQL, MongoDB, Redis

EDUCATION

- **B.S. in Computer Science, Curtin University Dubai**
  Dubai, United Arab Emirates
  09/2016 – 06/2020