

SEDDIK TAHA

Full-stack Applied AI Engineer

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SUMMARY

Full-stack Applied AI Engineer with 9 years of experience building production-grade backend, frontend, and real-time communication systems using Python, TypeScript, React, FastAPI, .NET, and Node.js. Recently focused on Voice AI and enterprise AI assistants with LiveKit, OpenAI Realtime, RAG over business data, and client-facing integrations delivered end-to-end

WORK EXPERIENCE

Full-stack Applied AI Engineer (OpenAI, LiveKit, FastAPI, .NET, React)

Ali & Sons (Abu Dhabi, UAE) | September 2025 - Present

- Built a CRM assistant using LangChain and React to guide users through workflows, clarify doubts, and reduce day-to-day support needs
- Developed an AI-assisted visitor check-in app in React Native and LiveKit that uses voice-driven photo capture, face recognition, and form auto-fill to streamline meeting requests
- Built a multi-agent voice assistant using LiveKit and OpenAI Realtime model that handles inventory queries and test-drive scheduling
- Implemented RAG over inventory (VIN/specs/pricing/promos) with vector search to keep answers aligned with current stock and offers

Technical Environment: LiveKit, OpenAI Realtime model, Vector DB, Chroma DB, Python, Docker, Node.js, .NET, React, React Native, Tailwind

Full-stack Applied AI Engineer (.NET, FastAPI, Python, React)

SKEIDAR (Dubai, UAE) | August 2024 - September 2025

- Built an AI chatbot using Python, LangChain, and RAG over the product catalog to provide automated product recommendations, improving catalog discovery and customer engagement
- Increased design team productivity 30% by building a Node.js service for automatic tagging and classification of daily furniture photos using Google Cloud Vision and Gemini APIs
- Implemented a centralized Identity Provider solution using .NET and IdentityServer, enabling secure single sign-on (SSO) across multiple applications
- Ensured reliable POS-ERP synchronization by architecting an offline worker using the outbox pattern and message queuing with RabbitMQ and Rebus, guaranteeing fault-tolerant transaction delivery

Technical Environment: Optimizely CMS, .NET, FastAPI, Python, LangChain, IdentityServer, Quartz.NET, RabbitMQ, ReactJS, Redux, MUI, Typescript, .NET MAUI

Full-stack developer (FastAPI, React)

Talan (Tunis, Tunisia) | January 2024 - August 2024

- Developed a hierarchical cost view using DevExpress TreeView powered by a DFS algorithm computing root-level costs from child nodes with fluid updates and state persistence, contributing to client partnership growth
- Redesigned React components boundaries and introduced Reselect memoized selectors, eliminating UI lag and lifting team productivity
- Implemented message queues with RabbitMQ to manage and distribute workloads across multiple microservices, improving overall system efficiency
- Applied test-driven development (TDD) with Pytest, reducing production bugs by 30% and improving code quality
- Integrated Redis caching into FastAPI APIs, resulting in a 20% improvement in data retrieval times
- Reviewed pull requests for a 10-developer team, delivering actionable feedback to improve code quality and resilience

Technical Environment: FastAPI, Micro-services, CQRS, Pytest, Docker, RabbitMQ, SQL Server, MongoDB, ReactJS, Redux, DevExpress, MUI, Typescript, Jest

Full-stack Developer (.NET, Angular, FastAPI, Python)

Blueberry Consulting (United Kingdom - Remote) | June 2022 - January 2024

- Resolved customer issues on a fleet management application based on .NET and Angular, contributing to customer retention and system reliability
- Developed Python AWS Lambda functions triggered by SQS messages to automatically sync updated records with Odoo ERP, improving data reliability and reducing manual intervention
- Directed a Fullstack migration of legacy product to Angular 12 frontend and NET Core backend, resulting in notable performance improvements
- Launched a Vue 3 library for complex form validation, featuring async validation and multilingual error messages
- Collaborated with customer analysts to identify and prioritize client concerns, driving product enhancements aligned with customer expectations
- Turned Figma designs into responsive Vue 3 components, ensuring a seamless user experience across different devices

Technical Environment: Blueberry web template framework, .NET core, Entity framework, AutoMapper, SQL server, FastAPI, Python, SQLAlchemy, AWS Lambda, AWS SQS, Angular 12, Vue 3, Typescript, Pinia, Tailwind CSS, Figma, Headless UI, PostgreSQL

Full-stack developer (.NET, Node.js, Angular, React)

Suivi.co (Tunis, Tunisia) | June 2017 - June 2022

- Implemented automated PowerPoint presentation generation with Syncfusion .NET PowerPoint Framework, enabling dynamic slide creation and customization from user-uploaded templates
- Enabled seamless collaborative editing by integrating SignalR with Redux middleware, ensuring real-time client-server communication
- Leveraged Node.js based Azure Functions to process real-time events and construct updated read models, enhancing UI speed and responsiveness
- Designed a rich Timeline view in ReactJS with two-level grouping and an elegant display for overlapping items, driving a 15% increase in leads
- Strengthened frontend and backend codebases by implementing robust unit tests using Jest and XUnit

Technical Environment: .NET Core, Entity framework, XUnit, Micro-services, CQRS, Azure Functions, SignalR, SQL Server, MongoDB, ReactJS, Redux, Material UI, Typescript, Jest, Syncfusion, Angular 8, NgRx, Angular Material, Ionic

EDUCATION

Software Engineering Degree

University of Tunis El Manar (FST) | Tunis, Tunisia

Sep 2012 - Jul 2017

Bachelor of Technology

Ibno Rochd Institute | Sousse, Tunisia

Sep 2008 - Jul 2012

SKILLS

Programming Languages: JavaScript, C#, Python

Frontend Technologies: ReactJS, Redux, Next.js, Material UI, Angular, NgRx, RxJS, Vue3, Pinia, Tailwind CSS, .NET MAUI, Typescript, HTML, CSS

Backend Technologies: .NET core, Entity framework, Dapper, IdentityServer, SignalR, NodeJS, ExpressJS, FastAPI, SQLAlchemy

Tools: XUnit, Jest, Webpack, Rollup, Vite, Docker, RabbitMQ

Databases: SQL Server, MYSQL, SQLite, MongoDB, CosmosDB, PostgreSQL

DevOps & Cloud Platforms Azure (Azure App Service, Azure Functions, Azure Storage, Azure Monitor, AKS), AWS (CI/CD Workflows, Lambda, ECS, EC2, S3)

PROJECTS

Audi AI Assistant

<https://audivoice.ali-sons.com> • January 2026 - Present

Created a real-time AI voice agent for dealership inventory queries using LiveKit and OpenAI Realtime

Story AI

<http://srv727324.hstgr.cloud:3400> • October 2025

Built a multilingual story platform based on Next.js and FastAPI that turns a child's idea into a narrated story, orchestrating GPT-4o-mini for text, Fireworks FLUX-1 for images, and OpenAI TTS for audio

E-commerce web application

<https://taha-seddik.space> • May 2023 - Sep 2023

Engineered an SEO-optimized e-commerce solution with a React.js frontend and Express.js backend leveraging server-side rendering

AWARDS

Prize for Best Mobile App, M-Developer Competition

ALECSO (Arab League Educational, Cultural and Scientific Organization) • 2017

Built an Ionic/Angular mobile app featuring a curated collection of authentic Arabic recipes, winning the best mobile app award among 400+ competitors

LANGUAGES

- Arabic (Native)
- English (Advanced)
- French (Advanced)