

Joe Basset

Senior Full Stack Engineer with 5 years building production web and mobile apps in React, NextJs, React Native, Ionic and TypeScript, plus deep experience in Python-based AI agent systems. Shipped 6+ apps to the App Store and Play Store.

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PROFESSIONAL EXPERIENCE

Senior Full Stack Engineer

01/2024 - Present

Smarrk

- Work directly with business consultants across all projects, translating client and business requirements into shipped product features, owning scope, implementation, and release
- End to End development of an agentic deck creation platform using NextJs built on previous pptx templates and specialized agents for storyline writing, smart slide selection and pptx processing.
- Development and optimization of an internal n8n clone tool with NextJs and FastAPI. Worked on auth security fixes, UI/UX optimization for the chat interface, 3rd party integrations and webhook support, langgraph and agents cost optimization / monitoring and one click deployments to Claude Managed Agents platform.
- Built specialized internal agents using langflow with their web interface
- Frontend development using React and optimization for a SaaS platform that handles a business strategy map
- YallaReturn, WeDesignBeirut, Get Fiona and Colabb mobile apps development and updates. Version upgrades, new features end to end, modern UI/UX, app store compliance and publishing

Full Stack Engineer

05/2021 - 01/2024

Nadeera (sister company of Smarrk)

- YallaReturn React Native mobile app development. Rendering optimizations, automated testing using Maestro, deeplink functionality using appsflyer and later singular, white labeling system (Tadweer Rewards, Frezha), push notifications, device info collection, appstore publishing
- Relist Ionic framework mobile app end to end development, notifications, deeplink, updates, payment flows and app stores publishing

Professional E-Sports

2019 - 08/2021

Unity Esports

- Top 300 Europe individual rank
- Built and led a team from the ground up, integrating proper practice methods and coaching in order to qualify twice to the main event in the MENA region and later acquired by Kuwaiti sponsor

PROJECTS

Recipe AI

AI Generated Recipes Mobile App

End to End Cross platform mobile app (Ionic Framework), built a custom workflow to generate AI recipes based on user preferences, handling iOS payments with RevenueCat, and heavy focus on best UI/UX practices

<https://www.myrecipeai.com/>

CourseGPT

AI Generated Courses

End to End platform build with NextJs and Hono on Cloudflare workers that harnesses AI Agents capabilities to produce a fully fledged course and free external resources based on the user's provided topic

<https://coursegpt.app/>

Hacker101 CTF Challenge

Eligible for invitation to private programs

Completed the required CTFs and challenges in order to be eligible for invitation to private bounty hunting programs

Basset Flowers

E-Commerce website

E-commerce store in production with real customers; built on WordPress/WooCommerce, handling payments, orders, and ongoing operations

<https://bassetflowers.com/>

Homelab

Self-hosted infrastructure

Personal VPS running Coolify (CI/CD + deployments), Tailscale mesh networking, self-hosted AI agents and self hosted NextJs / express apps.

TECH STACK

Languages: TypeScript, Python

Frontend/Mobile: React, React Native, NextJs, Ionic

Backend: Node, FastAPI, Hono, Express, PostgreSQL, REST APIs

AI: LangGraph, LangFlow, AI sdk

Infra/DevOps: Docker, AWS, Google Cloud, Cloudflare, Coolify, Tailscale

EDUCATION

American University of Science & Technology

2017-2019

Coursework towards BS in Information & Communications Technology

Beirut, Lebanon

CERTIFICATES

- CCNA Routing and Switching: Routing and Switching Essentials
- CCNA Routing and Switching: Introduction to Networks
- LPI: Basic Skills for Linux Professional

LANGUAGES

English | Arabic | French