

Ahmad Hamze

Full Stack Developer (React, Python) | Specializing in Modern Web and AI Apps

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Freelance Backend Developer

July 2025 - Present

- Built and maintained a Telegram chatbot backend using **FastAPI** and **SQLAlchemy**, with persistent chat history and threaded conversations
- Deployed on **Render** with a managed **PostgreSQL** database, handling migrations, scaling and environment configs
- Integrated **OpenAI** APIs to power conversation flow, response formatting, and prompt management

Freelance Mobile Developer

June 2024 - February 2025 (9 Months)

- Developed mobile UI components using **React Native**
- Built **GraphQL** APIs and integrated **Zod** schemas for input validation, enabling structured and type-safe data flow across the app
- Implemented database access layers using **Knex.js**, writing optimized **SQL queries** to retrieve and sort data effectively
- Automated the mobile release pipeline using **Fastlane**, handling builds with **Gradle** and publishing test versions on **Google Play**

Full Stack Developer at Endla

January 2022 - May 2024 (2 Years 5 Months)

Front-end development **React**

- Created and integrated different UI components using **MUI** and **Tailwind**
- Consumed back-end APIs and managed front-end caching using **Redux Toolkit**
- Created a JS editor in app that executes functions to modify the 3D scene
- Managed global states using **Jotai**
- Created and managed custom tables using **Tanstack**
- Developed **ThreeJs** camera movement, rotation, and objects coloring depending on user input

Back-end development **Django**

- Built and maintained numerous **Django** models using a variety of field types; extended existing models to support new features and data structures
- Developed RESTful APIs using **Django Rest Framework**, utilizing serializers for structured and validated data exchange
- Implemented data extraction pipelines using **Pandas** and **NumPy** to ingest, clean, and process csv and xlsx files for use within **Django** models

Education

MSc in Applied Mathematics, University of Bordeaux, France – June 2018

Languages & Tools

React, Html, CSS, Javascript, Typescript, GraphQL, MUI, Tailwind CSS, Redux Toolkit, Jotai, Python, Django Rest Framework, FastAPI, SQLAlchemy, PostgreSQL, Git, Nix, Docker, AWS, Render