

# Johan Chataigner

FULLSTACK SOFTWARE ENGINEER



*Curious full-stack engineer who enjoys learning new tools and tackling diverse challenges. Looking for an environment to apply and grow my skill set.*

## CONTACT

jchataigner.pro@gmail.com

+33 7 86 38 35 69

JohanChataigne

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## TECHNICAL SKILLS

### Languages & Frameworks

Kotlin	
Terraform	
Python	
Spring	
React & React Native	
Flutter	

### Cloud providers

AWS	
Azure	
Scaleway	
Oracle (OCI)	

## SOFT SKILLS

### Languages

French - Native
English - TOEIC 975 pts
Spanish - B2 level

### Hobbies

Competitive volleyball - Pré-Nationale
Running
Video games

## WORK EXPERIENCES

September 2021 - Today

**FULLSTACK SOFTWARE ENGINEER** – BeTomorrow

Bordeaux, France

### Backend & Cloud Infrastructure

#### TBM Mobile App Revamp

Developed a backend-for-frontend and its associated infrastructure. Managed connections to numerous external dependencies in a high-load infrastructure context.

#### Development and Maintenance of Cleo and Physio.me Applications (Biogen)

Web and mobile applications deployed in multiple countries, with cloud infrastructures across several global regions, within an HDS-compliant environment.

### Fullstack Development for Generative AI Solutions

#### Mobility Assistant

Developed a mobility chatbot leveraging public transportation data (GTFS, GTFS-RT). Designed a multi-agent LLM architecture with real-time streaming to a mobile application.

#### Local Urban development Plan Assistant (PLU)

Built an LLM-powered agent capable of answering questions about the Bordeaux Metropole urban plan (PLU) with clear, sourced responses. Implemented search (RAG) tools and real-time streaming to a web interface.

#### Tailored Travel Experience Assistant

Developed an LLM agent for creating personalized travel experiences in the luxury hospitality sector. Agent with integrated tools for searching experiences and availability, with real-time streaming to web and mobile applications.

February 2021 - August 2021

**ARTIFICIAL INTELLIGENCE INTERN** – BeTomorrow

Bordeaux, France

### Automatic Sleep Apnea Detection

Full-stack development of a mobile application using machine learning algorithms to determine whether a person suffers from sleep apnea based on a facial photo.

### AI-Powered Content Recommendation

Full-stack development of a mobile application enabling users to interact with video content and receive personalized recommendations based on their interactions. Authored a series of articles on the topic, available on Médium.

### Mobile Outdoor Augmented-Reality

Developed a native Android application to experiment with live tracking and labeling of outdoor structures (buildings, trees, etc.) through the device camera, aimed at enhancing tourism experiences.

## EDUCATION

### PREP SCHOOL

La Prépa de INP, Bordeaux, France

### INGÉNIER EN INFORMATIQUE

ENSEIRB-MATMECA, Bordeaux, France

In-depth maths, physics, chemistry, etc.

2016 - 2018

Specialized in Artificial Intelligence.

2018 - 2021