

# XIAOLEI BAO

(ALEX)

Full Stack Developer

Stockholm, Sweden

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[Portfolio](#)

## SKILLS:

- Java, JavaScript/TypeScript, Python
- HTML, CSS
- Node.js, Express.js
- React/React Native, Next.js, Redux, Expo
- Bootstrap, Tailwind, MUI
- Radix UI
- Prisma, Mongoose
- Headless CMS Sanity, Contentful
- Jest/Vitest, RTL
- PostgreSQL, MongoDB, DynamoDB, MySQL, Oracle
- AWS EC2, Route 53, IAM, AWS lambda, AWS Api Gateway, AWS S3
- Firebase/GCP
- SpringBoot, Hibernate, JPA
- CI/CD GitHub Action, Docker
- Git, GitHub
- RESTful API
- RabbitMQ, Redis
- Maven
- Agile, Scrum/Kanban

## LANGUAGES:

- English level 4
- Mandarin level 5

## HOBBIES

- Following financial news

## SUMMARY

I have over 5 years full-stack experience. Proficient in both front-end and back-end technologies, including HTML, CSS, JavaScript/TypeScript, React/React Native, Next.js, Tailwind/NativeWind, Node.js, Express.js and Java.

Demonstrates expertise in database management, RESTful API integration, AWS, Firebase/GCP, Jest/Vitest for Testing, Git and GitHub Action, Docker. Experience working in agile and scrum/kanban environments. Strong problem-solving skills, attention to detail, and a passion for staying up to date with the latest industry trends and technologies. I'm also familiar with AI development tools like GitHub copilot, ChatGPT 4 and Claude.

## PROJECT

InstaLingo

09.2024

Tech Stack: React Native, Expo, TypeScript, NativeWind, GCP/Firebase, Google Cloud Functions

- Engaging graphics and clear instructions welcome users to the app.
- Navigate between sections like Home and History with ease using tab navigation.
- Smoothly experience with taking a photo, extracting texts, translating to your target language and pronouncing correctly.
- Smooth performance and adaptability across various devices and screen sizes for a consistent user experience.
- Integrated Google Vision, Translate, TTS APIs and Backend using Firebase for Authentication and Firestore.

Aula Video

08.2024

Tech Stack: React Native, Expo, JavaScript, NativeWind, AppWrite, Animatable

- Engaging graphics and clear instructions welcome users to the app.
- Secure email login safeguards user accounts.
- Smoothly animated flat list showcases the latest videos for seamless browsing
- Efficiently search through videos with real-time suggestions and instant results.
- Navigate between sections like Home, Search, and Profile with ease using tab navigation.
- Upload video and image posts directly from the app with integrated media selection.
- Smooth performance and adaptability across various devices and screen sizes for a consistent user experience.

Share Notes

04.2024

Tech Stack: Next.js, React, TypeScript, Next-Auth, Tailwind, Radix UI, MongoDB, Mongoose, Prisma, Jest

- Using Next.js to implement project structure.
- Using React, Radix UI and Tailwind CSS to implement frontend.
- Using Next-Auth to implement Authentication for Google and GitHub.
- Using MongoDB Atlas to store data.
- Using Jest and RTL to implement Unit Testing and Integration Testing.

Personal Portfolio Website

10.2023

- Board games

Tech Stack: Vite, React, Three.js, Tailwind, Contentful, Vitest, RTL

- Using Vite to implement project structure.
- Using React, Three.js and Tailwind CSS to implement frontend.
- Using Headless CMS Contentful as backend to Manage data.
- Using Vitest and RTL to implement Unit Testing and Integration Testing.

Personal Social Media Application

06.2023

Tech Stack: Node, Express, React, Redux, MongoDB, Material UI, Jest, RTL, Docker,

- Using Node.js and Express.js to implement backend.
- Using React and Redux and Bootstrap to implement frontend.
- Using MongoDB to store data.
- Using OAuth2 and JWT to implement Authorization.
- Using Jest and RTL to do Unit Testing and Integration Testing.
- Deploy the frontend and backend with Docker in my self-hosted VPS.

Heating Power Integrated Management Platform

2018-2022

Tech Stack: Java, SpringBoot, MySQL, MongoDB, JPA, React, Bootstrap, RabbitMQ, Redis, Python

- Using SpringBoot to implement restful API for backend.
- Using React and Bootstrap to implement parts of frontend pages.
- Using RabbitMQ to receive and consume uploading original data.
- Using MySQL and MongoDB to store formatted data.
- Using python scripts to monitor the health status of services.

Residential Heating Management Platform

2017-2020

Tech Stack: Java, SpringBoot, Oracle, MongoDB, JPA, Bootstrap, EJS, JQuery, Netty, RabbitMQ

- Using Netty to implement data uploading from hardware devices by UDP protocol.
- Using RabbitMQ to receive original data and transfer data to MongoDB and oracle.
- Using Bootstrap and EJS to implement parts of frontend pages.
- Using SpringBoot to implement restful API for backend.

## PROFESSIONAL EXPERIENCE

Upwork(FreeLancer)

09.2023 – Present

Beijing HDZB Co. Ltd

04.2014 – 09.2022

Full Stack Developer

Beijing, China

- Engaged in products designing and technology selections.
- Developed backends of a few web applications.
- Developed parts of web applications frontends.
- Engaged in developments of internal tool libraries.
- TroubleShooting.

Asia Info Technologies (China) Inc.

04.2011 – 01.2014

Backend Developer

Beijing, China

- Engaged in developments of old platform refactor.
- Developed backends of a few web applications.
- Developed parts of web applications frontends.
- Engaged in testing works of web applications.
- TroubleShooting.

## EDUCATION

Tsinghua University  
Master of Software Engineering

09.2009 – 05.2011  
Beijing, China

Beijing University of Technology  
Bachelor of Communication Engineering

09.2003 – 07.2007  
Beijing, China