

FEI LIAO

Full Stack Developer

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Munich, Germany



SUMMARY

Aspiring **Full Stack Developer** with hands-on experience in building and deploying scalable web applications. Proficient in frontend technologies like **React**, **React Native**, **Flutter**, and backend development using **Node.js**, **Express.js**, and database is **Firestore**. Skilled in **RESTful API** integration, **Git**, **Docker**, and **UI/UX** design. Strong team collaborator focused on delivering high-quality software solutions.

EDUCATION

M.Sc. in Computer Science

University of London

2022 - 2024 London, United Kingdom

MA in Architectural Design

University of Sheffield

2020 - 2021 Sheffield, United Kingdom

Bachelor in Architecture

University of Nanchang

2008 - 2013 Nanchang, China

EXPERIENCE

Full Stack Developer

University of London Graduation Project - EVPoint in Deutschland

04/2024 - 10/2024 Munich, Germany

<https://github.com/University-of-London/project-module-2024-apr-faye092>

Independently led the development of a mobile app tailored for the German EV charging market. This project involved conducting market research, designing the system architecture, and managing all aspects of full-stack development, with a focus on sustainability and a user-centric approach.

- Backend Development:** Designed and maintained the backend using **Firestore** for secure user authentication and data handling.
- UI/UX Design:** Created and refined all UI/UX elements to ensure a seamless and visually appealing user experience.
- API Integration:** Integrated external APIs using **Axios** to display up-to-date EV brands, models, connectors and so on.

Backend Developer

MiniWall RESTful API | Independent Project

12/2023 - 03/2024 London, United Kingdom

<https://github.com/University-of-London/csm020-coursework-faye092>

Developed a SaaS API for users to post, comment, and like content. Focused on secure user authentication, data management, and robust CRUD functionalities.

- Backend Development:** Implemented the backend with **Node.js** and **Express**, using **MongoDB** for data storage and **JWT/OAuth 2.0** for secure authentication.
- Feature Implementation:** Built comprehensive API endpoints for CRUD operations, ensuring secure and efficient functionality.
- Deployment:** Deployed the API on **GCP** using **Docker**, ensuring scalability and security.

SKILLS

Client-Side

HTML CSS JS React Native

React Flutter Redux TypeScript

Backbone Bootstrap UI/UX Design

Server-side

Python NumPy Scikit-learn

MySQL NodeJS Express GCP

MongoDB Firebase HTTP/2

CERTIFICATION

JavaScript for Beginners

Udemy, 2023

Python for Data Science, AI & Development

IBM, 2023

LANGUAGES

English Proficient

German A2

Chinese Native

APPLICATIONS



EVPoint in Germany

AWARDS



Finalist Award | International Architects Design Competition

EXPERIENCE

Architect

MG Architects Ltd.

📅 02/2022 - 02/2024 📍 London, United Kingdom

Led multiple residential and commercial projects from concept to construction, ensuring timely and high-quality delivery

- Integrated renewable energy and smart home tech, boosting energy efficiency by 20%. Achieved BREEAM "Excellent" rating
- Implemented Archicad BIM standards, improving team efficiency by 30% and reducing design changes by 50%
- Successfully advocated for sustainable design solutions

Architectural Designer

Greentown Architecture Design Co., Ltd (GAD)

📅 03/2019 - 09/2020 📍 Hangzhou, China

Led conceptual design and scheme development for major public buildings and high-end residential projects, such as the 2022 Hangzhou Asian Games Village. Used Rhino and Grasshopper parametric design tools to optimize building forms

- Applied BIM for seamless architecture, structure, and MEP integration, minimizing conflicts and enhancing efficiency
- Resolved site issues, improving project efficiency by 20% by collaborating with contractors within budget constraints

Architectural Designer

Shanghai Pudong Architectural Design & Research Institute Co., Ltd. (PDAD)

📅 10/2013 - 03/2019 📍 Shanghai, China

Designed and implemented major public and government housing projects

- Actively presented design proposals and participated in competitions

SOFT SKILLS

Project Management

Manage projects efficiently to meet deadlines.

Requirements Analysis

Translate client needs into actionable requirements.

Solution Design, Client Communication


Design solutions and communicate effectively with clients.

PASSIONS

 Videography

 Photography

 Home Renovation

 Hiking