

M. M. R. Shay (尹金海)

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<https://github.com/ShaysFrame>



EXPERIENCE

BRS Engineering (Guangzhou) Co. Ltd. | Lead Software Engineer and NoorConnect Project Counselor | 2025 - Present | Guangzhou, CN.

I joined as a full-stack engineer and had to expand my scope based on evolving company needs. Initially, I was in charge of backend and DevOps. The main task was migrating from a vendor-managed server to a self-hosted AWS infrastructure. I used aaPanel, AWS Lambda for utilities such as webhooks, for the backend's auto deployment CI/CD pipeline, and CodeCommit for source control.

As the project matured, I identified critical gaps in the mobile codebase and stepped in to lead Flutter development for NoorConnect. The app is a Muslim prayer guidance app for iOS and Android. Refactored an unstructured prototype into a production-grade application. Key engineering work included. 1) Architected the app from scratch using Clean Architecture + GetX (only for state), migrating a disorganised legacy codebase into a scalable, feature-based structure. 2) Built a full BLE prayer mat integration - device discovery, pairing, real-time sensor data during prayer, and zen mode. 3) Implemented a cross-platform prayer alarm system with Android AlarmManager (exact alarms, boot recovery, custom adhan sounds per prayer) and iOS AlarmKit (iOS 26+) with local notification fallback. 4) Developed the Quran feature with local caching, recitation settings, and multilingual support across 6 languages. 5) Integrated go_router navigation and get_it dependency injection, establishing architecture conventions across all. 6) Sole mobile engineer across the entire production lifecycle. Before transitioning: finalising iOS AlarmKit sound support and delivering full handover documentation.

Puyang HuaFa Technology Co., Ltd. | Software Lead and Project Counselor | 2024 - Present | Remote, CN.

So this project is the bread and butter for my ultimate growth as a software engineer. This project's scale has taught me how not to take lightly and not to say it'll take 3 months to finish without understanding the scale of the problem first! So we found this company, and I was the only one with some working experience, and the other members of the company were still undergrad students, and we are fortunately still working on this project. Although from the technological part of DevOps, Backend, and 3 different client apps for this project is quite a ride I have to say! From learning how to architect projects from scratch, and how to work with backend and how to deploy them, and how to work with public APIs, such as integrating Chinese payment methods, sending OTP to user's phone using Chinese apis, and so on are just the tip of the iceberg, the project is still under development and still I am working on it on my free times during the weekends. But before the job in Guangzhou, I was working on it full-time alongside my master's studies.

Shanghai XinCaiXinGen Enterprise Management Co., LTD. | Frontend engineer (Flutter intern) | Aug 2023 - Jan 2024 | Changchun, CN.

The company had a team of 6, a project manager, 2 backend engineers, 2 frontend engineers, and one intern (me). The main app was made using UniApp, and I was tasked to convert it to a Flutter app and make it work with the existing backend. This internship was the core of my self-learning and its application opportunities, and getting serious about becoming a mobile app engineer. Even though the company is probably dead because of bad management, I can't rule out the help I received from the opportunity and my time there. From the internship.

Union Power (Yangzhou) Co., Ltd. | Software Engineer | July 2022 - July 2023 | Yangzhou, CN.

Here I was mainly doing the internship initially as a graduation requirement; all students were required to do an internship for at least 3 months, and luckily, after the internship, I was offered a full-time position. Because of time constraints, I was only able to maintain a part-time position. The final product can be seen at <https://unionpowerinc.com/>. The site was built by me from scratch. Although at that time I did not have any interest in being a web developer or app developer, I used WordPress to fulfill the requirements as quickly as possible. Mainly, I learned many automation techniques and created various scripts to

automate large data sets and maintain the company data for the website, after finishing the design and structuring the web. A large amount of time was also spent on learning and doing DevOps as well.

Notable Project that Inspired me to keep on Building | Boot-Camp project for starting the startup app project | Jan 2024 - Aug 2024 | Self-Driven Project

This app was the main backbone for the strength to start the QiFa project and start our own startup. QiFa's base is on top of this project and has evolved in so many ways, surpassing the scale of the boot-camp project, which I feel I did yesterday. The app taught me core principles of clean architecture, how things work all together as one, along with the backend.

Although the app taught me a lot about mobile development but, to call myself a full-stack engineer, I also had to go through a couple of other bootcamps from professionals such as ex-Meta instructors, to grasp the basics of backend, the fundamental building blocks, which also helped me become a backend engineer using Python and the Django framework. Ultimately, Django's DRF kind of saved me a lot and gave me a completion as a software engineer, which ultimately took me where I am today.

EDUCATION

Yangzhou University, Yangzhou, Jiangsu, CN.

Bachelor of Engineering in Software Engineering, 2024.

Master's in Software Engineering, 2027.

SKILLS

Ai, Agent Management, MCP Servers, Vibe Coding, Architectural Juggernaut, Large Scalable Software Architect.

Flutter Framework Experience: 3+ years; counting the learning journey, 5+ years. Django Backend 3+ Years, Php Backend Maintenance AA 2+ years. DevOps 3 + years. Tools such as Git, GitHub, love VS Code, and AI CLIs, etc., the list goes on.

TAGS

App: Dart, Flutter, dartz, bloc/GetX (state-only), get_it, go_router, Swift (native iOS), Kotlin (native Android), Gaode Map (AMap) API, Huawei Map APIs, Weixin official platform APIs, WePay API (still on the way), Aliyun SMS api. **Api/CMS:** Python, Django, WebSocket, Polling, Django DRF, Daphne (async), Redis, Channels, Tasks, Serialization, MySQL, Postgres(a little bit), Firebase, WordPress, Shopify, Wagtail, Webcrawling. **Architecture:** Clean architecture, MVC, MVT. **DevOps:** AWS, S3, CodeCommit, ECS, Lambda, Azure, Aliyun/Alibaba Cloud, Docker, Hostgator, Hostinger, aaPanel, cPanel. **AI/ML/DL:** YOLO v8n, n8n, Claude, Prompt Engineering, SKILL. **Bonus:** React, React Native, Dear ImGui, C++. **Hobbies:** PS5, Esports, League of Legends,

LINKS

Portfolio: <https://blog.shay.pub/>

LinkedIn: <https://www.linkedin.com/in/rmdmahafuj/>

Github: <https://github.com/ShaysFrame>

Extra: https://github.com/ShaysFrame/open_rtms

Thank you for reading this far, really appreciate it.

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