

Jacky Huang

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Summary

As a Software Engineer with **over 18 years** of experience in web and mobile app development, I excel in **JavaScript**, **.Net Core**, and **Objective-C**. My expertise includes e-commerce, e-government, mobile, and blockchain. Skilled in requirements analysis, architecture design, and project management, I have a proven track record in high-performance app development. I have also participated in startups, collaborating with the team to develop projects from scratch.

Skills / Tools

Back end: **.Net Core, Java, Restful API**, Microservices
Front end: **React, HTML**, Vue, CSS, Blazor, ASP
Mobile: **.Net MAUI**, **.Net MAUI Blazor Hybrid**
DB: **SQL Server, MySQL, MongoDB, Redis**, PostgreSQL
OS: **Linux, MacOS, Windows**
Other: **Aliyun Cloud, Docker, Git**, SVN, Ridar, VS Code, Visual Studio, Eclipse, JBuilder

Personal Projects

New Zealand *11.2023 - Present* *Personal or research projects*

- **NZ Driver Bot**: A small tool developed using .NET WPF, utilizing Selenium and HttpClient, and based on WPF for a web crawling tool. It addresses the difficulty of booking New Zealand practical test exams online by automatically grabbing recently vacated slots each day, eliminating the need for manual intervention.

URL: <https://github.com/hhyyy9/NZDriverBot>

SV Insight Technology, Chengdu, China *07.2020 - 07.2022* ***Block-chain Full Stack Expert***

Highlights: As a blockchain technology expert, mainly responsible for the business architecture design and business prototype verification of private chain projects, Solidity smart contract/Web3/Vue/Java full-stack development, and familiar with ERC20/ERC721 protocols.

Technologies: **.Net Core, Java, React, Vue**, MySQL, Redis, Solidity, Docker

- Led BaaS platform R&D, designed FISCO BCOS architecture, developed university blockchain curricula, assisted teacher development, and organized student blockchain competitions.
- In various projects, I have utilized different technology stacks to meet specific requirements. I designed scalable RESTful APIs using .NET Core with Entity Framework for some projects, while employing Java with Spring Framework, including SpringMVC and Swagger, for others. In the realm of blockchain, I developed Solidity smart contracts for both public and consortium blockchains like FISCO BCOS. For front-end development, I worked with both React and Vue,

depending on the project, and deployed applications using Docker on Linux to ensure an efficient CI/CD pipeline.

- Developed detailed training courses for college students and evaluated their understanding through exams and quizzes based on project architecture.

Product & Reference:

- FISCO BCOS 2022 Annual Contributors: https://fisco--bcos--doc-readthedocs-io.translate.goog/zh-cn/v3.3.0/docs/community/contributor_list_new.html? x tr sl=auto& x tr tl=en& x tr hl=zh-CN& x tr pto=wapp

JianTu Technology, Chengdu, China

06.2014 - 01.2018

Full Stack Tech Lead

Highlights: Combining multi-platform mobile apps with vehicle sensors, utilizing GPS and other sensors for route navigation, ticket booking, and alerts enhances travel experiences. I joined the project with 15 members, leading mobile development, system design, and team expansion to 40+. Despite securing Series C funding, the pandemic led to project termination.

Technologies: **Springboot Microservices, Aliyun Cloud, Vue, Objective-C**, Redis, PostgreSQL

- Developed website front end using JavaScript and Vue.js.
- Directed iOS app development with Objective-C, Cocoa SDK, and CocoaPods, optimizing performance with UIKit.
- Designed a scalable travel platform on Aliyun Cloud using Spring Boot Microservices, PostgreSQL, and Redis, supporting hundreds of millions of users with dynamic scaling and load balancing.
- Improved CI/CD for UI builds with Webpack and optimized Docker files for faster back end deployment.
- Independently managed the entire process of submitting an iOS app to the App Store, including testing and approval.

Product & Reference:

- https://k-sina-cn.translate.goog/article_6105713761_16bedcc6102000mr0p.html? x tr sl=auto& x tr tl=en& x tr hl=zh-CN& x tr pto=wapp
- JianTu Travel App: <https://appadvice.com/app/e7-ae-80-e9-80-94-e6-97-85-e8-a1-8c-e5-b7-b4-e5-a3-ab-e5-87-ba-e6-b8-b8-e9-a6-96-e9-80-89/1063635299>

JD.com Technology, Chengdu, China

11.2011 - 05.2014

Full Stack Developer

Highlights: Full Stack Developer in mobile internet R&D, contributed innovative proposals and worked on multiple JD.com products.

Technologies: **.Net Framework, Objective-c**, MySQL, JD Cloud, Redis

- Developed iOS apps with Objective-C and Cocoa SDK, featuring interactive maps, GPS tracking, async data fetching, notifications, and custom UI components.

- Utilized .Net Framework and Entity Framework for ORM on the back-end. Implemented Redis caching for performance, and secured endpoints with JWT tokens for authentication and authorization.
- Independently managed the entire iOS app submission process to the App Store, including testing and obtaining approval for release.

Product & Reference:

- JD e-Shop App: <https://apps.apple.com/cn/app/京东-多-快-好-省/id414245413>
- JD Pet: <https://apptopia.com/ios/app/877914502/about>

Tima Networks, Chengdu, China

11/2010 - 01/2012

iOS Team Leader

Highlights: iOS team leader for Tima Star and Angixing car networking products, managing R&D and leading development and maintenance teams.

Technologies: **Objective-C, Cocoa**

- Formulated framework direction, coordinated project transformations, supervised new product lines, and proposed scalable development models for new projects and core systems.
- Conducted business training for the team, organized the development and testing specifications to ensure that the project is completed on time.
- Regularly reported to the project manager, identified unreasonable factors in the team, proposed solutions, improved and maintained its sustainable development.
- Participated in developing the universal "Angixing" project, responsible for iOS product development and iOS team management.
- Participated in developing "Love to Listen 360" mobile internet APP product, responsible for iOS product development, accumulated 1.5 million users and had 60,000 daily active users.

Product & Reference:

- Tima Star: <https://apps.apple.com/cn/app/钛马星/id1031877337>
- Listen 360 (Android version, iOS version has been removed): <http://42.121.125.229/default.html>
- Angixing: <https://apps.apple.com/cn/app/安吉星/id437190725>

Cybercom Group, Chengdu, China

09/2009 - 01/2010

Senior Web/iOS Developer

Highlights: As a senior engineer, I create development plans and collaborate on overseas projects, handling development, testing, deployment, and bug fixing.

Technologies: **SpringMVC, JavaScript, Objective-c, Struts, MS SQLServer**, Spring Hibernate, Cocoa

- Developed Moodboard app for Swedish client using Objective-C programming language and cross-platform compatibility technology compatible with iPhone and iPad platforms.
- Developed CMusic app for China Mobile on iPhone, using System XML, multi-threading, iOS animation, network monitoring, audio data processing, and data caching.
- Developed ChinaHotel, a hotel information app for iPhone platform.

- Worked on SBI BIZ project using Java, Linux, MySQL, and J2EE. Handled client communication, requirements, task assignment, risk assessment, project monitoring, testing, and implementation.
Project URL: <http://www.sbibusiness.com/>

Movaya Technology, Chengdu, China ***01/2005 - 01/2009*** ***Web & iOS Developer***

Highlights: Started with Java back-end development for the company's digital game sales platform, later switched to iOS mobile project development due to business needs.

Technologies: **Java, JavaScript, Objective-c**, MySQL, Cocoa, SpringMVC, Spring Hibernate, Struts

- Developed a PlugNPlay mobile game e-commerce network platform using Java language and participated in the development and design of the platform's core business.
- Developed a TryNBuy mobile game free trial download service sub-business platform using Java language and participated in the core team's development work with other team members.
- Using the Scrum agile development methodology, as a team member, I complete daily development goals according to the work objectives
- Independently completing the entire process of submitting an iOS app to the App Store, including testing and getting it approved for release.
- Developed iOS apps during a company crisis, providing services for American client Hooters and creating the Hooters Calendar app.

Product information:

- <https://www.marketingdive.com/ex/mobilemarketer/cms/sectors/software-technology/3735.html>
- ShowTime: <http://itunes.apple.com/us/app/showtime/id316082177?mt=8>
- Sony Pictures: <http://itunes.apple.com/us/app/sony-pictures/id313893817?mt=8>

XIN-Net Digital Technology, Chengdu, China ***05.2003 - 01.2005*** ***Web Software Developer***

Highlights: As a web development engineer, I participate in and complete the development of multiple enterprise and government e-government projects.

Technologies: MS SQLServer, ASP, VB

- Design and develop the business management system for the Industrial and Commercial Administration Bureau in Jinjiang District, Chengdu, using ASP and SQL Server technologies.
- Participate in project development for various enterprises using ASP and SQL Server technologies.

Education

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|-------------------|--|-----------------------------------|
| 11.2023 - Present | YooBee Colleges | Master of Software Engineering |
| 09.2016 - 06.2019 | Sichuan University | Master of Business Administration |
| 09.1998 - 06.2001 | Chengdu University of Information Technology | Computer Information Management |

Reference

Will be provided upon request.