

CHEN BOFENG

SOFTWARE ENGINEER (FULLSTACK)

Experienced FullStack Software Engineer with a strong background in developing and maintaining complex web applications. Proficient in a range of programming languages and frameworks, with a proven track record of delivering high-quality, scalable solutions. Skilled in both front-end and back-end development, I excel at problem-solving and have a passion for creating efficient and user-friendly software solutions.

✉ niconicocsc@gmail.com 📞 07039781160 📍 Japan, Kanagawa 🌐 <https://github.com/Trilingual-byford/Trilingual-byford>

EXPERIENCE

Application Engineer(Partner staff)

Rakuten Jan 2022 - Sep 2024

- Designed and maintained regression test cases.
- Analyzed development and production environments; studied and delivered features in a clean, maintainable manner.
- Collaborated closely with the team in both Japanese and English.
- Refactored and optimized legacy codebases.
- Debugged and optimized codebases using AI tools and professional expertise.
- Troubleshooting and resolving technical issues reported by partners and customers
- Conducting research and staying uptodate on the latest technology trends to provide innovative solutions for partners and customers

Fullstack Engineer(Solo proprietorship)

REI(Japan) Oct 2019 - Dec 2021

- Design and collaborate with local and partner teams
- Test all scenarios and conform to quality standards
- Identify performance issues; apply knowledge of security coding practices and secure system fundamentals
- Demonstrate advanced knowledge of specific needs of a major line of business and the related set of applications, systems or functions

Software Engineer(Regular)

Bitware (Japan) Sep 2018 - Oct 2019

- Build new features from the ground up while working closely with product, design, and engineering teams.
- Collaborate with both onsite and remote engineering teams to design clean reusable code features and implement resilient high-level architectures.
- Work closely with the Product Team and be able to turn Product requirements into actional technical stories with well defined technical specifications and details.
- Interface with existing remote overseas Mobile Engineering team members
- Maintain existing code by fixing bugs and monitoring app performance
- Participate in architecture design and decisions on how to scale our mobile apps

Linux/Unix/Aix Server Engineer(Contractor)

IBM(China) Apr 2017 - Aug 2018

- Responsible for developing and executing test plans, installations and documentation support.
- Monitors and controls performance and health of the server resources. Identifies and diagnoses problems and factors affecting server performance.

EDUCATION

Bachelor Degree

Hunan Police Academy Jun 2013 - Jun 2017

Bachelor's degree in Engineering

PROJECTS

Online shopping platform Development(Chat App)

Application Developer Jan 2022 - Sep 2024

□TypeScript/Java/React/Webstrom/Nest.js/Next.js/OneCloud/Microsoft teams/Docker/K8/Jenkins/Git/Scrum/Kafka/Jest/Restful Api/Postman/Springboot/Java/Domo/SelectDB/GaintPanda/Distributed systems/English/Japanese□

Responsibilities .

- Conducted project feasibility assessments.
- Designed and implemented features from scratch.
- Provided architectural and implementation solutions for new features based on existing infrastructure.
- Adhered to deployment processes.
- Designed and implemented unit tests for new features.
- Maintained and delivered features for both backend and frontend applications.

Value I provided: It's my first time implementing application using nest.js.It took me relatively short time to understood the all of the key points of this framework and actually started the imeplemtation for new feature adding.Providing multiple architerture options and discuss it with the senior team members to find out the best solution when making tech decision.

Delivery service, driver mobile application development

Developer Mar 2021 - Dec 2021

□TypeScript/Azure/shell/AndroidStudio/GitLab/Realm/Xcode/React Native/Kotlin□

Responsibilities Check IO performance per screen and identify potential performance bottlenecks. Significantly improve screen rendering performance and optimize the efficiency of DB access.

- Improve application performance with technologies such as UseMemo, FlatList, etc.
- Memory Cache implementation
- Improve processing around DB
- Bug handling and testing
- Analyze existing source code(both backEnd and frontEnd), identify bugs that affect performance, and submit solutions

Value I provided: Significantly reduced (less than 50% of the original) the time taken for the initial display of the application, still demonstrating source code analysis, identifying poor performance in processing and submitting it as a performance improvement proposal.

Home delivery management service BackEnd development

Developer Mar 2020 - Feb 2021

□Java/IntellJ/Gradle/Eclipse/PostMan□postmanMockServer/Git/Jira/Azure/Docker/NexusRepository/SqlServer/Azure□

Responsibilities Using Java as the language and SpringBoot as the framework and library, mainly in charge of class (DTO, screen) design for the app and also in charge of testing/debugging.

- Technical Support
- Environment construction procedure creation and environment construction support
- Construction and maintenance of development environment with Docker (Sql server, NexusRepository, etc.)
- Code review
- Researching related to development Flow
- Research and preliminary work on technologies to be tested in Groovy (configuration and construction of base source in case of Muiltil data source)
- Research and analysis existing source code
- Decide on policy for APIMock server (stub server), install and update
- Appropriate division of Monolith project, common logic extraction module commonization
- FrontEnd and BackEnd linkage failure support

- Unit test environment and technical support

Value I provided: Involved in all stages of development (from functional implementation to testing), in charge of development environment building work and technical research, technical support and debug support, developed APIs for about half of all projects ahead of time, helped build CD and CI environments with Jenkins, built and managed development environments with Docker.

Delivery service management App Development

Developer Jan 2020 - Jan 2021

□TypeScript/AndroidStudio/React□React Native/Xcode/Git/Jira/Azure/Sketch/SketchCloud□

Responsibilities: The tech stack includes TypeScript, React and Redux. I am mainly in charge of model designing (DTOs, screens page container etc) for the entire application, implementing functions around location and various screens using Google Maps, and testing/debugging.

Specifically, the following:

- New member training and technical support
- Environment construction document creation
- Source review
- Technical research for implementation of new functions
- Research and operation of APIs such as GoogleMap
- UI/UX implementation
- Implementation of Linter and Formatter
- Release support
- Git branch management
- Creation of documents such as screen design documents and screen transition diagrams
- Design creation and specification modification based on the latest needs
- Creation and update of APIMock server

Value I provided: Although I had no experience in implementing maps using TypeScript, I quickly caught up with the information in books and on the Internet, and with the support of the team leader. I fully designed and implemented application permissions flow for this application. Responsible for tasks such as library selection and advice when implementing new features, researching best practices when using OSS libraries, and visualizing tasks (using Kanban).

English study and conversation practice Application

Developer Jan 2019 - Dec 2019

Responsibilities: Responsible for architectural design of the application, support building CI/CD environment using Jenkins, and implement functions around screen and voice.

Specifically, the following:

- Making full use of the speech recognition API to create a useful speech recognition library combined with the recording and playback functions for the application.
- Technical support (mainly implementation of animations)
- Unit testing and integration testing
- Modification of the voice system architecture (recording, playback, storage) for new features
- Use API to store and operate lesson data
- Build Jenkins CI Pipeline

Value I provided: I learned ActionScript and Jenkins in a short time and caught up the development pace. I also implemented the features around the audio part of the core of the app. The ability to read the source code still allowed me to eliminate more than half of the app's latent bugs in the coding stage.

Auto Insurance Services(FrontEnd and BackEnd)

Developer Jan 2019 - Nov 2019

□Java/Vue.js/Jest/Oracle/Redis/Spring Framework/Webpack/Github/maven□

Responsibilities: API implementation, Model Object design, web page implementation by design, unit testing, and integration testing.

Specifically, the following:

- Development environment construction and documentation
- Technical research (testing using Jest)
- Source Review

- Insurance quote API implementation
- Defined UI units using Atomic Design
- Communicating and exchanging opinions in English with FrontEnd tech leader in america
- Git support (fix conflict, Rebase, etc.)
- Setup test environment

Value I provided: Although this was my first experience with Vue.js, I was able to catch up in a short period of time. I also was in charged of investigating how to write test cases using Jest(a testing framework) and shared how to write test cases with the development team members as a member of the research team.

Official app of a major bank in Japan

Android developer Feb 2018 - Dec 2018

□AndroidStudio/GitLab/Realm/Kotlin/MVC/Charles□

Responsibilities: Feature implementation and source review based on MVP architecture, building test environment using TestFlight, implement and testing each activity.

- Android/IOS testing, unit testing, and integration testing
- Mock server implementation
- Screen implementation of household budget management module
- Creation of screen transition diagrams
- Application specification change support
- Git support (Conflict support, Rebase support, etc.)
- Android multi-language support
- Research and implementation of mobile DB encryption technology

Value I provided: Although this was my first project in Japan, I contributed greatly to the team's productivity by utilizing my know-how, development experience, English and Japanese language skills. Identify, scope, and architect solutions for new features while considering technology alternatives and all impacts / tradeoffs.

SKILLS

Practical knowledge in framework
[SpringBoot | Spring | Vus.js | React
| React Native | Iris]
Experience in relational databases in
MySQL | PostgreSQL | MongoDB |
Oracle | Redis
Experience with API testing using
Postman
Experience in programming
language: Java Kotlin Go Typescript
Javascript

Knowledge in Android native
application development
Experience on DevOps essential
tools like Docker, Kubernetes,
Subversion (SVN), GIT, Jenkins,
Maven and Managed Services like
EC2, S3.
Experience in Android native
application development
Experience using systems like Linux,
unix and AIX .

Working knowledge of agile
development practices(specifically
scrum)
Quick learner and able to learn
independently;eager to expand skill
set
Ability to drive results through
project and people leadership and
business collaboration

LANGUAGES

Chinese - Native
Japanese - B2,I can have
spontaneous and fluent
conversations with native
speakers,understand the news and
use the language effectively for work
and studies. N1 certificate (2016)

English - between B1 and B2, I can
engage in conversations on most of
topic with native speakers,be able to
work and study in the language.Toefl
89 score(2017)

AWARDS

