

Baron Chong

Backend Developer

🌐 Johor, Malaysia

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Summary

Backend-focused software engineer with 3+ years of experience, evolving from frontend development to building scalable backend systems. Proficient in designing RESTful APIs with Java (Jersey, Spring Boot) in microservices environments. Experienced in MongoDB tuning, CI/CD pipeline planning (Jenkins), and document automation using poi-tl. Contributed to core modules of ESG compliance platforms, logistics workflow systems, and chemical safety solutions. Also skilled in interactive UI development from Figma designs, Phaser.js web games, and cross-functional full-stack delivery.

Skills

Core

Java Spring Boot MongoDB RESTful APIs Redis Jenkins Git Docker

Familiar

React.js Node.js MySQL/MSSQL HTML/CSS/JS Phaser.js Poi-tl (poi template language)

Tools & Workflow

GitLab Sourcetree Postman Figma Linux CLI

Work Experience

SYSTEX (SoftMobile), Taichung City, Taiwan

February 2021 - July 2024

Intern → Programmer → Program Analyst

Key Projects & Achievements

- **Trade Logistics Platform**
Joined ongoing development to optimize document generation logic and Redis-based flow control under high-load scenarios.
→ Improved system throughput and stability in high-load scenarios.
- **Completion Order System (Survey Architecture)**
Led backend module development and integration based on ESG platform architecture.
→ Core architecture later extended to the ESG and Occupational Safety platforms.
- **Recruitment Assessment System**
Designed backend APIs for candidate scoring and page-wise evaluation, and implemented frontend logic using React.js + Redux.
→ Built scoring module including RWD components and login/authentication logic.
- **ESG Survey Platform**
Built backend APIs and data validation logic for ESG self-assessment forms.
→ Improved questionnaire flow and backend handling, resulting in better user experience and engagement.
- **Occupational Safety Survey Platform**
Developed backend APIs based on existing questionnaire system architecture.
→ Ensured reusability across internal compliance platforms.

- **Chemical Substance Management System**

Designed backend logic for SDS document handling, hazard flagging, and regulation-specific SOP validation.

→ Improved SOP compliance through better data validation and rule design.

Technical Highlights

- **MongoDB Optimization & Architecture**

Resolved replication delays by applying CAP theory and optimizing read/write consistency in distributed environments.

- **HTML5 Game Projects (Phaser.js)**

Enhanced gameplay responsiveness and animation smoothness in Phaser-based marketing games (e.g. darts, slot machine, claw machine).

→ Improved animation and gameplay flow, enhancing user engagement.

- **Responsive Campaign Pages (HTML/CSS/JS)**

Developed responsive landing pages with animated UI from Figma designs, ensuring cross-browser and mobile compatibility.

→ Supported mobile/tablet optimization and browser compatibility.

- **CI/CD Flow Design Research (Jenkins)**

Researched Jenkins CI/CD pipeline architecture and proposed automated flow, later handed over for implementation.

→ Final solution was handed over for implementation by successor team members.

Education

Feng Chia University

February 2017 - July 2021

Bachelor's degree in Information Engineering and Computer Science

Feng Chia University

March 2015 - December 2016

Associate's degree in Information and Network Management (Overseas Youth Technical Class)