

# Harold Yin

+61 480571345 | email: haroldyin@outlook.com | Portfolio: [haroldyin.info](https://haroldyin.info) | [LinkedIn](#)

## Summary

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Full-stack software engineer with 6+ years of experience across companies in Australia, China, and the U.S. Skilled in building scalable Java microservices and high-performance search platforms with Elasticsearch. On the front end, experienced in developing responsive interfaces using React and Next.js. Based in NSW, open to full-time or internship opportunities, hybrid or on-site.

## Work Experience

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**Trip.com Group**, The Biggest Asia-Pacific OTA    04.2021 - 05.2025    **Lead Software Engineer**

Description: User-generated content (UGC) platform for reviews, Q&A, and AI-driven evaluation system supporting large-scale search and data pipelines

Technologies: Java, Spring Boot, **React Native**, Elasticsearch, Redis, MySQL, Hive, DataX, Python (Pandas, OpenAI API), Next.js, React, Node.js, Mobx

- Built the *Trip Moments* with **React**, **Next.js**, and **Mobx**; improved first screen load speed from 2.3s to 1s and reduced bundle size by 30%.
- Integrated Lighthouse CI/CD for automated **SEO** and performance auditing; lifted page score from 30 to 82.
- Responsible for developing and iterating Trip.com's UGC mobile application using **React Native**, optimizing the initial screen response time to under 300 milliseconds.
- Refactored legacy UGC review system into micro-service architecture with separation of Job-type services (batch tasks and data synchronization), API services (external interfaces), and aggregate services (content distribution).
- Optimized **Elasticsearch** cluster with 100M+ docs by replacing script sort with field sort, reducing latency from 500ms+ to ~100ms.
- Designed and implemented incremental data pipelines syncing Hive to **MySQL** and Elasticsearch using **DataX** and Zeus scheduler.
- Designed and developed an internal content generation platform using **Java**, **Redis**, and MQ, integrated with **Stable Diffusion** for image stylization. Implemented asynchronous workflows to process, search, and generate content from a media library, improving scalability and system throughput.

**Benchmark Gensuite**, U.S company    06.2019 - 04.2021    **Product Developer**

Description: Enterprise SaaS platform for supply chain compliance and environmental reporting used by Fortune 500 manufacturers

Technologies: Java, jQuery, SQL Server, RESTful API, Agile, React

- Developed and maintained core modules of the Product Stewardship suite, contributing to the platform's recognition as a "Top Product of the Year" by Environment + Energy Leader.
- Led full-stack development of the SCIP (Substances of Concern in Products) reporting module, including front-end/back-end integration and SQL performance tuning.

- Visualized complex reporting data and implemented iterative improvements based on direct client feedback.
- Participated in CI/CD improvement efforts and SQL optimization for long-running queries to enhance system responsiveness.

**Prosper Education**, Australian company      08.2018 - 04.2019    **Associate Web Developer(Intern)**

Description: Collaborated with the Sydney product and operations team to implement WeChat login, admin backend system, and CRM (Zoho) integration for internal workflow and cross-border data.

Technologies: JavaScript, Cocos Creator, Zoho CRM, RESTful API

- Built and deployed WeChat mini-game using the Cocos Creator Engine to boost user engagement across platforms.
- Developed admin backend and integrated WeChat login authentication, ensuring seamless cross-system access for users in China and Australia.
- Led the roll out and customization of Zoho CRM for internal sales and finance teams, improving workflow automation and data consistency.

## Skills

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Languages:    **Java, JavaScript, Python**

Backend:        **Spring Boot, Elasticsearch, Redis, Restful API, Nodejs, SpringMVC**

Frontend:       HTML5, CSS3, jQuery, **React**, Vue, Bootstrap, Mobx, Nextjs

DB:                SQL, **MySQL**, SQLServer, TiDB

Tools:            **AWS, Git**, Gradle/Maven, webpack, Jenkins

## Certificates & Honors

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*AWS Solutions Architect – Associate*

Trip.com Group Outstanding Project Award

3rd Prize, Trip.com Group AI Hackathon Competition (2023)

Excellence PM Award 2020

PM Shining Star Award

## Education

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2025.07 - 2027.06      **University of Wollongong**

Major: Computer Science

2015.08 - 2019.05      **Zhejiang Gongshang University**

Major : Network Engineering