

# Jonathan Chan

## Software Engineer

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<https://joncms95.github.io>

### Skills

#### Knowledgeable in multiple programming languages, software tools and frameworks

- Ruby, Haml, C, Python, HTML, CSS, JavaScript
- Ruby on Rails, Sidekiq, React, Django, Flask, Bootstrap
- SQLite, MongoDB, Redis

#### Familiar with various project workflows and software engineering practices

- Git, GitHub, GitLab, Sourcetree, Postman, Docker, Jenkins
- Nginx, Gunicorn, Digital Ocean
- Agile, Kanban, Jira, Trello

#### Possess critical thinking, analytical and have good interpersonal skills

- Can speak English, Mandarin, Cantonese and Malay
- Quick learner and problem solver
- Attention to details

### Relevant Experience

#### Dynamite Games / Software Engineer

June 2023 - Present (3 mos)

Worked with the backend team in web game development, collaborating with operations, QA and game design teams to optimize gameplay and address technical hurdles.

- Enhanced game bot logic, adeptly handling spawns, removals, and refining decision-making algorithms.
- Ensured database integrity through meticulous data updates and deletions, maintaining accuracy.
- Designed APIs to export data, enabling operations team with up-to-date data for streamlined workflows.
- Proficient in Finite State Machines (FSM) concept, understanding its role in game play states.

Tools and technologies:

Ruby on Rails, React, JavaScript, TypeScript, Haml, MongoDB, Redis, Sidekiq, GitLab, Sourcetree, Postman, Docker, Jenkins, AWS, S3, Jira

### Other Experiences

#### SEM9

Nov 2021 - Apr 2023 (1 yr 4 mos)

Administrative Executive

Professional Player (League of Legends: Wild Rift)

#### Berjaya Esports (Berjaya Dragons)

Jan 2020 - Oct 2021 (1 yr 10 mos)

Professional Player (League of Legends: Wild Rift)

Assistant Manager/ Esports Coach

Professional Player (League of Legends PC)

#### JB Lau & Khoo / Audit Associate

June 2018 - June 2019 (1 yr 1 mo)

#### Fire Dagoon Esports / Professional Player (LoL)

June 2017 - May 2018 (1 yr)

#### KPMG / Audit Trainee

Oct 2016 - Jan 2017 (4 mos)

### Project

 **Ban Pick Tool** Web Application Development

Jan 2023 - Present

Web app that simulates the Mobile Legends Draft Pick selection phase

### Education

#### CS50 Introduction to Computer Science / HarvardX

2022 - 2023

Harvard University's introduction to the intellectual enterprises of computer science and the art of programming

#### Bachelor of Commerce (Hons) Accounting / University Tunku Abdul Rahman

2014 - 2017

CGPA: 3.1368 / Honours Degree with Merit

- Academic Honours - Dean's List
- Malaysian University English Test (MUET)  
Score: Band 5

#### Foundation in Arts (Management and Accountancy) / University Tunku Abdul Rahman

2013 - 2014

CGPA: 3.7340

#### Sijil Pelajaran Malaysia, Science (SPM) / SMK Bercham

2008 - 2012

Grades: 8As 2Bs