





# Jonathan Chan

## Senior Software Engineer

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### Skills

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

- Ruby, Haml, HTML, CSS, JavaScript
- Ruby on Rails, Sidekiq, Socket.IO, Flask, Bootstrap
- MongoDB, Redis

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

- Git, GitHub, GitLab, Sourcetree, Postman, Jenkins
- Docker, Kubernetes, Lens, Rancher, Nginx, Gunicorn, Digital Ocean, AWS
- Agile, Jira, Trello

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

- Can speak English, Mandarin, Malay and Cantonese
- Inquisitive and resourceful
- Attention to details

### Experience

#### Senior Software Engineer / Dynamite Games

Jul 2025 - Present

Dynamite Games is a Singapore-based game studio specializing in interactive, real-time web-based games, with studios across Malaysia, Vietnam, Taiwan, and Singapore. I was part of the backend development team, collaborating closely with operations, QA, and game design teams to drive game development — contributing to both technical implementation and product discussions throughout the entire development lifecycle.

##### Key achievements and responsibilities:

- Spearheaded the integration of CI testing into projects, enabling real-time log access, while ensuring best practices in test driven development and code reliability
- Designed and built a localization module, enabling seamless multi-language support
- Revamped internal tools by adding new features and improving UI/UX to boost team productivity
- Revamped and improved load speed for web page using lazy loading, enhancing user experience
- Lead in production deployments to ensure smooth releases and system stability
- Onboard and mentor new team members

#### Software Engineer / Dynamite Games

Jun 2023 - Jun 2025 (2 yrs 1 mo)

- Involved in end-to-end game development lifecycle, drive technical and non-technical discussions for tech and product decisions
- Developed simulations and unit tests to validate product accuracy
- Managing database operations, utilising tools like Rancher/ Lens for configurations and debugging purposes
- Write clear and complete documentation in Wiki
- Proficient in using CI/CD pipelines for testing and deployment
- Participate in 24/7 standby rotations to offer operational support

##### Tools and technologies:

Ruby on Rails, Haml, Sidekiq, React, MongoDB, Redis, GitLab, Sourcetree, Postman, Jenkins, Docker, Kubernetes, Lens, Rancher, AWS, Jira

## SEM9 Holding (SEM9)

Nov 2021 - Apr 2023 (1 yr 4 mos)

### Administrative Executive / Professional Player

- Player coach
- Strategise, create and execute plans for team daily operations
- Set up email automation and generated contracts with Autocrat for streamlined contract creation
- Managed e-commerce platforms and social media channels, e.g, Shopee, Lazada, TikTok, Facebook
- Coordinated with tournament organizers and provided on-ground support for merchandise sales at esports events

## Berjaya Esports (Berjaya Dragons)

Jan 2020 - Oct 2021 (1 yr 10 mos)

### Assistant Manager / Esports Coach / Professional Player

Worked with Berjaya Dragons - esports team back by Malaysian conglomerate, Berjaya Corporation Bhd

- Managing various esports team under Berjaya Dragons
- Assists in various operations to ensure the day-to-day runnings of the organisation
- Player coach for the Wild Rift team
- Team captain

## Audit Associate / JB Lau & Khoo

Jun 2018 - Jun 2019 (1 yr 1 mo)

Involved in complete audit assignments from pre-engagement to finalisation of reports for dormant and SME companies

## Professional Player / Fire Dragoon Esports

Jun 2017 - May 2018 (1 yr)

League of Legends professional player under Fire Dragoon

- Team captain

## Audit Trainee / KPMG

Oct 2016 - Jan 2017 (4 mos)

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## Projects

### [Ban Pick Tool](#)

Web Application Development

Jan 2023 - Present

Web app that simulates the Mobile Legends Draft Pick selection phase

HTML, CSS, JavaScript, Python, Flask, Socket.IO, MongoDB, Nginx, Unicorn

### [Mortgage Calculator](#)

Streamlit App

Aug 2024 - Present

A simple mortgage calculator developed using the Streamlit framework

Streamlit, Python, Plotly

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## Education

### CS50 Introduction to Computer Science / HarvardX

2022 - 2023

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

### Bachelor of Commerce 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 / University Tunku Abdul Rahman

2013 - 2014

CGPA: 3.7340

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

2008 - 2012

Grades: 8As 2Bs