Javier Lim
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Availability: Aug. 2025 onwards

References Available Upon Request

EDUCATION

National University of Singapore | Computer Science *(First Class Honours)*   *May. 2027*

Programming Methodology & Comp. Thinking - *Teaching Assistant* | RC4 CSC Tech - *SWE Team Lead*

NOC Msia '25 | RC4 Entrepreneurship Club - *President* | RC4 Pitching Competition - *Top 4* | RC4Floorball - *Head*

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, Swift, C, C++, PHP, SQL, HTML, CSS, Assembly
Frameworks: React (Native), Next.js, Laravel, Flask, Django, FastAPI, Vite
DevOps Tools: MySQL, MongoDB, PostgreSQL, Git, Supabase, Xcode, GCP, Docker, AWS EC2
Libraries: Matplotlib, NumPy, pandas, Pygame, Cocos, PIM, p5, SwiftUI, Inertia, Three.js

EXPERIENCE

CloudJoi | Fullstack & Mobile Software Engineering Intern   May. 2025 - Present

CloudJoi is Malaysia's largest digital ticketing platform for the arts - cloudjoi.com   *Kuala Lumpur, Malaysia*
- Enabled annual sales of 169k tickets & RM14.5mil ARR by pushing 20+ production-ready features & hotfixes under C-Suite supervision for React & Laravel B2C platform, organiser dashboard, & React Native mobile app.
- Built knowledgebase.cloudjoi.com—dashboard helpdesk for 200+ clients—0→1 on Next.js, deployed via Vercel.
- Explored Typesense engine & GPT-powered recommendations through the use of vector embedding & clustering of event data, hosted via EC2 to classify data & identify trends for fine-tuning in semantic search.
- Created RESTful API documentation end-to-end via Scramble, increasing developer integration by 50%.
- Elevated UI/UX & authentication flows with responsive React & Blade designs, led UAT & designed unit tests.

Strive (YC S21) | Software Engineering Intern   Jan. 2024 - Jun. 2024

YC S21-backed, Forbes 30 Under 30 Asia 2024-recognised EdTech, $2.5M+ ARR   *Singapore*
- Launched a suite of interactive, visually engaging math games using p5.js & Python, demystifying advanced Grade 8 concepts for over 10k students with 20% increase in engagement & comprehension.
- Developed reusable components for 25+ modules, incorporating OOP, FP, & real-time user interaction handling.

A*Star I²R | AI Researcher   Nov. 2020 - Jan. 2021

I²R advances cutting-edge technologies to power Singapore's digital economy   *Singapore*
- Enhanced result accuracy of PCR COVID-19 tests through data analysis techniques on Jupyter Notebook
- Extracted & analysed datasets via Matplotlib, NumPy, pandas, applied EMA to determine sigmoidal curves from plot points & establish thresholds, producing numerous algorithms with 100% detection accuracy

PROJECTS

Lokode (iOS Focus & QRCode Lock App) - Beta | *SwiftUI, Supabase, Next.js, PostgreSQL*   Jul. 2025
- Building the 1st Swift QR-based locking app to maximise user focus—delivered 100% free unlike paid alternatives.
- Built Google OAuth authentication via Supabase, user customisation, & emergency unlock for user management.
- Implemented advanced QR code generation/scanning for instant device lock/unlock via CoreImage & ScreenTime.
- Developed interactive analytics dashboards with real-time charts for focus duration and productivity metrics.
- Launched responsive Next.js landing page with dynamic routing & iOS App Store promotion.

3D Interactive Portfolio Website - javier.chimera.sg | *Three.js, TypeScript, Next.js*   Jul. 2025
- A unique & immersive 3D portfolio website featuring interactive environments showcasing 15+ technical projects, ventures, and experiences through engaging Three.js visualisations and GLB model integration.
- Implemented responsive design with mobile optimisation, with performance scaling and device-specific warnings to optimise user experience cross-platform, supported with animated UI components (Framer Motion & ChakraUI)

JustDid (Chrome Productivity Extension) | *TypeScript, React, Vite, GenAI*   Jun. 2025
- ManifestV3 full stack Chrome extension for logging productivity at short intervals, with all data stored locally
- Built features including a customisable focus timer, activity logging, WebExtLLM-powered suggestions, & integrated custom APIs to scrape user context history between intervals (navigations, searches, downloads)
- Implemented numerous export options (JSON, CSV, PDF) & UI using TailwindCSS & ChakraUI

2048 AI Solver | *Python, React, FastAPI*   Mar. 2025
- Created a 2048 game solver on React FE with minimax algorithm & alpha-beta pruning, reaching >90% win rate.
- Implemented sophisticated heuristics including positional weighting, clustering penalties, & empty cells.