Javier Lim

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Availability: Jan. 2026 onwards
References Available Upon Request

Education

National University of Singapore | B.Comp Computer Science *(First Class Honours)* *Dec. 2027*
Residential College Scholarship | CS1010X & SWS3001 - *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, PHP, JavaScript, Java, Swift, C, C++, SQL, HTML, CSS, Assembly, Bash
Frameworks: React (Native), Next.js, Laravel, Supabase, Flask, Django, FastAPI, Vite
DevOps & Tools: MySQL, MongoDB, PostgreSQL, Git, Vim, Xcode, GCP, Docker, AWS EC2, IntelliJ, CLI
Libraries: Matplotlib, NumPy, pandas, Pygame, Cocos, PIM, p5, SwiftUI, Inertia, Three.js

Experience

IBM | Incoming Fullstack Software Engineering Intern Start Sep. 2025
IBM is the pioneering global tech firm known for innovation in cloud, AI, & enterprise solutions *Singapore*
- Excited to work on React, Spring Boot, Node.js & various AWS services!

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
Strive teaches coding to youths, YC S21-backed, Forbes 30 Under 30 Asia, $2.5M+ ARR *Singapore*
- Created entire suites of interactive, visually engaging math games using p5.js & Python for Grade 8 students.
- Developed reusable components for 25+ modules & over 10K students with 20% increase in engagement.

Projects

Lokode (iOS Focus & QRCode Lock App) - TestFlight | *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 & 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
- Unique & interactive Three.js website showcasing 15+ technical projects & experiences, with custom GLB models.
- Implemented responsive design with mobile optimisation, with performance scaling & 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, & export options (JSON, CSV, PDF)

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.

AI Research Attachment @ A*Star I^2R | *Python, Jupyter Notebook, NumPy, pandas, Matplotlib* Jan. 2021
- 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