

BRANDON CHEONG

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EXPERIENCE

Cybersecurity Instructor (Part-time) | DART Consulting | Singapore | November 2024 – December 2025

- Delivered cybersecurity and digital skills training to over **150+ top-performing secondary and post-secondary students** annually under Singapore's national youth development programme, achieving a **40% increase in student advancement** to national-level cybersecurity competitions and initiatives.
- Designed and executed offensive security workshops and Capture-The-Flag (CTF) exercises, directly contributing to a **30% improvement** in participant challenge-solving speed and an **increase of 25%** in CTF qualification rates within a year.
- Developed progressive, real-world-focused training modules that boosted trainee retention rates by **over 90%**, establishing a pipeline of youth cybersecurity talent for MINDEF and affiliated organisations.

Senior Cybersecurity Instructor (Part-time) | ThriveDX | United States | March 2025 – December 2025

- Formerly known as HackerU/HackerUSA.
- Delivered accelerated cybersecurity training in collaboration with Temasek Polytechnic, guiding adult learners through a 24-week curriculum covering threat intelligence, secure design principles, ethical hacking, incident response, malware analysis, network/application security, forensics, and risk management.
- Designed and facilitated hands-on labs, scenario-based assessments, and final capstone projects, driving a **92% course completion rate** and preparing graduates for cybersecurity roles such as Cyber Defence Analyst, Incident Responder, and Forensic Specialist.
- Mentored and coached participants through an intensive blended learning model, achieving a **30% higher-than-industry-average certification pass rate** and accelerating workforce readiness to meet Singapore's cybersecurity talent demands.

Technology Risk Governance & Cybersecurity | GXS Bank | Singapore | July 2025 – November 2025

- Led Project SANCTUM, an AI-powered residual risk assessment engine leveraging chain-of-thought prompting; scaled beyond Singapore to serve as a regional model adopted by GXB.
- Co-ran AI Vanguard, a 4-week upskilling program that boosted AI adoption and project ideation across the Risk function.
- Automated CIS hardening for AL2023 and engineered a low-latency AWS Lambda to streamline security scans and auto-generate JIRA tickets.
- Consolidated the Residual Risk Assessment (RRA) library, improving governance transparency and operational efficiency.
- Supported Operational Risk through control alignment and risk reporting enhancements.

Software Engineer (Contract) | Genspace.ai | September 2024 – February 2025

- Built and maintained core API services powering **GenSpace's AI-native productivity platform**, integrating **Drive** and **Email** systems with dynamic **LLM orchestration** to enable real-time document management, smart communications, and autonomous workflow optimization.
- Developed backend services across a hybrid stack (**Python, PHP, React**), leveraging models like **OpenAI GPT** and **Perplexity** to drive intelligent file operations, email drafting, content summarization, and automated decision support.
- Designed secure, scalable internal **Drive infrastructure** and custom **Email server solutions**, embedding AI-driven control layers to enable natural language tasking, context-aware document editing, and system-wide automation.
- Architected and deployed a scalable microservices architecture using AWS and Docker, achieving a 50% decrease in system downtime and improving deployment efficiency by 30%.

Senior Instructor | TigerCampus | December 2021 – February 2025

- Spearheaded the end-to-end design, development, and delivery of advanced curricula in programming, web development, game development, and cybersecurity, tailored for diverse international learners.
- Engineered outcome-driven learning pathways that boosted student performance by **over 50%**, with **100% successful completion** of capstone-level projects across all disciplines.
- Mentored **50+ students globally**, achieving an **80%+ improvement in self-reported technical confidence**, and establishing a pipeline of high-performing candidates into tertiary programmes and tech internships.

Full-stack Developer (Contract) | Dew Touch Innovations Pte Ltd | Singapore | March 2024 – July 2024

- Led the development of **Fleetnetics**, a fleet management platform for SMRT, achieving a **30% gain in operational efficiency** through process automation, real-time tracking, and embedded analytics dashboards.
- Architected scalable, secure applications using **CakePHP, Apache**, and **MariaDB**, improving system performance by **25%** and enabling data-driven decision-making to reduce downtime by **15%**.
- Launched **5 major feature upgrades** and optimized CI/CD pipelines, increasing user satisfaction by **40%**, reducing customer support tickets by **15%**, and cutting development cycle time by **20%**.
- Returned on a **strategic contract basis** to deliver advanced system enhancements, performance upgrades, and analytics features, reaffirming trust and technical leadership within the engineering team.

Founder & CTO | CodeTowers | October 2021 – September 2023

- Founded **CodeTowers**, an educational technology platform delivering gamified, accessible coding education using **3JS, Google Blockly**, and cloud-native architectures.
- Led product architecture, full-stack development, and technical strategy, building an interactive, browser-based coding environment designed for learners of all ages.
- Secured pre-seed funding and strategic support through the **NUS Venture Initiation Programme (VIP)** and **THE HANGAR Booster Programme** under **NUS Enterprise**.
- Deployed scalable infrastructure using **AWS**, optimized platform SEO, and integrated Google Analytics to drive user acquisition and product growth.
- Oversaw business development, customer acquisition, and product refinement, establishing CodeTowers as an early-stage player in the educational technology space.

Full-stack Developer | Dew Touch Innovations Pte Ltd | October 2018 – June 2022

- Delivered **10+ high-impact software solutions** across chatbot automation, large-scale data scraping, and enterprise management systems, driving business process automation and operational efficiency gains through **Python, PHP, Node.js**, and **Laravel**.

- Built and optimized platforms serving major clients including **Gojek**, **Cycle & Carriage**, and **Goldbell**, ensuring scalability, system resilience, and production-grade reliability under high-load conditions.
- Established robust testing and continuous code quality frameworks, achieving a **30% reduction in post-deployment defects** and accelerating release confidence for mission-critical deployments.
- Engineered database optimization strategies, improving application responsiveness by **25%** and future-proofing system performance for scaling client operations.

Assistant Engineer (Internship) | ATT Systems Group | Singapore | June 2021 – August 2021

- Delivered advanced technical support for **Electronic Queue Management Systems (EQMS)**, achieving a **30% reduction in system downtime** and boosting customer satisfaction scores by **25%** through rapid issue resolution and system optimization.
- Designed and deployed **automation scripts** using batch file programming, increasing operational efficiency by **40%** and ensuring **100% compliance** with ISO operational standards.
- Diagnosed and resolved **50+ high-complexity technical incidents**, contributing to a **15% decrease** in support ticket backlog and enhancing overall service delivery performance.

EDUCATION

Master of IT in Business (MITB) | Singapore Management University | Aug 2026 – Present

Bachelor of Computer Science Double Majoring in Big Data & Cyber Security | University of Wollongong | 2024–2025

- Final Year Project: Seamless File Encryption App for Cloud

Diploma in Infocomm and Security | Nanyang Polytechnic | 2019–2022

- Final Year Project: Advanced Digital Forensics with Machine Learning.

CERTIFICATIONS

Offensive Security Certified Professional (OSCP) | Offensive Security | Dec 2025

Offensive Security Wireless Professional (OSWP) | Offensive Security | Dec 2025

Professional Scrum Product Owner™ II | Scrum.org | Jan 2025

Computer Hacking Forensics Investigator (CHFI) | EC-Council | 2020–2023

HONORS & AWARDS

Top 15, PSA CodeSprint Hackathon 2025 | Oct 2025

- Top 15 out of 300+ Teams (1200 Participants), PORTSAGE, AI powered Maritime Operations Analytics Platform

3rd Place, EasyA x Ripple Apex Hackathon | Jun 2025

- 3rd Place Overall Internationally, MicroLoanX, a decentralized, pseudonymous microloan platform for financial inclusion.

Finalist, BrainHack CDDC CTF | 2024, 2025

- Ranked 33 Nationally in 2024, Ranked 16 Nationally in 2025, Team PACKCAT

VOLUNTEERING

Deputy Community Lead | N0H4TS | Singapore | April 2024 – December 2025

- Led key initiatives including **STANDCON 2025** and **AYCEP 2024**, delivering flagship conferences, workshops, and bootcamps to regional cybersecurity practitioners and students.
- Designed and deployed the new **N0H4TS website frontend** using **Next.js**, **Tailwind CSS**, **GSAP**, and **Framer Motion**, improving accessibility, performance, and user engagement.
- Built and scaled community engagement strategies, collaborating with **individual security practitioners**, **Hack The Box**, **Association of Information Security Professionals (AiSP)**, and **Division 0 (Div0)** to drive technical initiatives and industry collaborations.
- Mentored junior members and volunteers, fostering leadership pathways and sustaining a pipeline of emerging cybersecurity talent.

SKILLS

Soft Skills: Mentoring, Public Speaking, Curriculum Design, Leadership, Communication, Team Collaboration, Strategic Thinking, Problem Solving, Adaptability, Community Engagement, Project Management, Time Management,

Technical Skills: MERN Stack (MongoDB, Express.js, React, Node.js), CakePHP, Python, JavaScript, PHP, C#, Lua, HTML, CSS, Bootstrap, Bulma, Tailwind CSS, MySQL, MongoDB, AWS, Docker, Cybersecurity, Network Security, Digital Forensics, Ethical Hacking, System Architecture, Performance Optimization, Agile Methodologies, SDLC, Full-stack Development, API Development, Microservices, CI/CD, Cloud Computing, Penetration Testing, Malware Analysis, Threat Intelligence, Incident Response