AARON TAN

aarontan.dev · Singapore · natnoraa27@gmail.com · linkedin.com/in/aarontann · github.com/aar0ngit

Year 2 Diploma in Information Technology student (Cybersecurity & Cloud Computing) seeking a **software development internship**. I build and deploy full-stack web apps with Node.js, SQL and automated testing.

EDUCATION

Singapore Polytechnic Apr 2025 – Apr 2028 (expected)

Diploma in Information Technology, specialising in Cybersecurity and Cloud Computing · **cGPA 3.71** (last sem 3.87)
Relevant modules: Software Engineering Practice, Front-End and Back-End Web Development, Continuous Integration & Delivery, Ethical Hacking Essentials

Dunman Secondary School · GCE O-Level 2023 – 2024

British International School of Houston, Texas, USA · Track & Field, Show Band (drums) 2017 – 2022

PROJECTS

Planet Hopper Solo · Jan – Feb 2026, deployed Nov 2026

Node.js, Express, MySQL (TiDB Cloud), JWT, HTML Canvas, Vercel · planet-hopper-three.vercel.app

- Built a wellness challenge app with a browser runner game: challenges earn credits for a shop, loadouts and five planets with leaderboards.
- Designed a REST API of 30+ endpoints with bcrypt, JWT access and refresh tokens, and parameterised SQL throughout.
- Found and fixed a cheating hole: the server now times each run with a signed game token instead of trusting the browser.
- Deployed as a Vercel serverless function with a hosted MySQL-compatible database, and added one-click guest access.

Stubby: study partner matching platform Team of 4 · May 2026 – present

Node.js, Express, PostgreSQL, Socket.IO, Jest, Playwright, GitHub Actions, Render · stubby-bp2p.onrender.com

- Built front-end and back-end features for a platform that matches students by modules and study preferences, with real-time chat and study sessions.
- Worked through pull requests on a shared codebase guarded by a GitHub Actions pipeline: ESLint, Prettier, around 90 Jest test files and 41 Playwright end-to-end specs.

SKILLS

Languages	JavaScript, SQL, HTML, CSS
Back end & data	Node.js, Express, REST APIs, MySQL, PostgreSQL, JWT, bcrypt
Testing & DevOps	Git and GitHub, GitHub Actions CI/CD, Jest, Playwright, Postman, Vercel, Render
Ways of working	Agile and Waterfall, requirements and UML, technical documentation

ACTIVITIES

- SP Track & Field (throws): competed at POL-ITE 2025 and SA Inter Club 2025.
- Build and repair PCs, run home servers and make games; securing my own games against cheaters got me into cybersecurity.