

EDUCATION

<b>National University of Singapore</b> B.Eng Computer Engineering (E-Scholars Programme)   5.0 GPA	Expected Grad: Dec. 2026
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EXPERIENCE

<b>Software Engineering Intern @ <i>Binance</i></b> Binance empowers users to trade, invest, and manage cryptocurrencies seamlessly and securely on a global scale <ul style="list-style-type: none"><li>Implemented a caching service for third-party APIs, improving data retrieval performance by 50%</li><li>Developed a MFA key management extension, accelerating development workflow and reducing OTP retrieval time</li></ul>	May 2025 - Present
<b>Founding SWE @ <i>Check (Iterative W25)</i></b>   Reinventing AI-Assisted Learning <ul style="list-style-type: none"><li>Engineered and launched over 5 novel features, driving a 40% surge in user retention and engagement</li><li>Implemented client-side caching and lazy loading, reducing load times by over 80% and improving user experience</li></ul>	Feb. 2025 - May 2025
<b>Software Engineering Intern @ <i>London Stock Exchange Group (LSEG)</i></b> LSEG Labs addresses challenges in financial markets by assessing climate risks and simplifying ESG disclosure <ul style="list-style-type: none"><li>Utilized Infrastructure as Code (IaC) with Terraform to provision micro-services for a data ingestion pipeline, reducing provisioning times by 90% and maintaining idempotency across multiple development and test environments</li><li>Designed and deployed infrastructure using AWS SNS for efficient Pub/Sub data-sharing between micro-services</li><li>Led development of replay feature with Athena for event-driven architecture, accelerating disaster recovery by 80%</li><li>Built CRUD module for hierarchical data access permissions using composite keys in AWS DynamoDB (NoSQL)</li><li>Explored WASM SQLite with NoSQL backend, enabling complex analytics and cutting down backend calls by 50%</li></ul>	Jun. 2024 – Dec. 2024
<b>Software Engineering Intern @ <i>NodeFlair - SEA Tech Career Platform</i></b> NodeFlair connects tech talents with job opportunities, optimizing the recruitment process for millions in SEA <ul style="list-style-type: none"><li>Enhanced and optimized the existing Ruby on Rails API to support large-scale, high-availability services and boost site performance and scalability for over 400,000 monthly users</li><li>Maintained and upgraded functionalities of a Plasmio browser extension, facilitating smoother access to AI tools</li><li>Leveraged parallel integration and e2e testing to achieve a 50% reduction in Continuous Integration (CI) test time</li><li>Set up Docker images for development to mimic production environment, reducing on-boarding time by over 80%</li></ul>	Jan. 2024 – Jun. 2024
<b>Software Engineering / ML Intern @ <i>Home Team S&amp;T Agency (HTX)</i></b> xData builds data and AI products that enhances the Home Team’s capabilities in internal and mission-based operations <ul style="list-style-type: none"><li>Utilised GenAI for the construction of knowledge graphs from over 40,000 pages of unstructured legal documents</li><li>Implemented multi-agent LLMs for question answering (QA), for a 15% increase in accuracy in data-analysis tasks</li><li>Integrated knowledge graphs and vector databases to enhance multi-hop QA performance during retrieval-augmented generation (RAG), resulting in a 30% increase in evaluation scores and improved context precision</li></ul>	Nov. 2023 – Jan. 2024

PROJECTS / EXTRACURRICULARS

<b>Insecure File Service</b>   Simple file sharing service for public use - <a href="http://ifs.kenf.dev">ifs.kenf.dev</a> <ul style="list-style-type: none"><li>Developed a serverless file sharing service using AWS Lambda, CloudFront, and S3, managed with Terraform</li><li>Adopted by 50+ users for sending files to public printers, eliminating the need for sign-ins on public machines</li></ul>	Sep. 2024 - Present
<b>Linux Homelab</b>   Repurposed laptop running Ubuntu Server for personal use <ul style="list-style-type: none"><li>Exposed to the internet via Cloudflare Tunnels and secured with Cloudflare Zero Trust for remote access</li><li>Utilised as a cloud compute platform to self-host backend services with automated backups via cron jobs</li></ul>	Feb. 2024 - Present

TECHNICAL SKILLS

<b>Languages:</b> JavaScript, TypeScript, Python, Ruby, Java, C, C++, SQL, MongoDB, Cypher, Terraform, Bash
<b>Frameworks:</b> Next.js, React, React Native, Plasmio, Node.js, Spring Boot, Flask, Django, FastAPI, Ruby on Rails
<b>Developer Tools:</b> Git, Docker, AWS, Microsoft Azure, Google Cloud Platform, Firebase, Supabase, Neo4j