

EDUCATION

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

Software Engineering Intern @ <i>Binance</i> Binance empowers users to trade, invest, and manage cryptocurrencies seamlessly and securely on a global scale <ul style="list-style-type: none">Implemented a caching service for third-party APIs, improving data retrieval performance by 50%Developed a MFA key management extension, accelerating development workflow and reducing OTP retrieval time	May 2025 - Present
Software Engineering Intern @ <i>London Stock Exchange Group (LSEG)</i> LSEG Labs addresses challenges in financial markets by assessing climate risks and simplifying ESG disclosure <ul style="list-style-type: none">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 environmentsDesigned and deployed infrastructure using AWS SNS for efficient Pub/Sub data-sharing between micro-servicesLed development of replay feature with Athena for event-driven architecture, accelerating disaster recovery by 80%Built CRUD module for hierarchical data access permissions using composite keys in AWS DynamoDB (NoSQL)Explored WASM SQLite with NoSQL backend, enabling complex analytics and cutting down backend calls by 50%	Jun. 2024 – Dec. 2024
Software Engineering Intern @ <i>NodeFlair - SEA Tech Career Platform</i> NodeFlair connects tech talents with job opportunities, optimizing the recruitment process for millions in SEA <ul style="list-style-type: none">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 usersMaintained and upgraded functionalities of a Plasmio browser extension, facilitating smoother access to AI toolsLeveraged parallel integration and e2e testing to achieve a 50% reduction in Continuous Integration (CI) test timeSet up Docker images for development to mimic production environment, reducing on-boarding time by over 80%	Jan. 2024 – Jun. 2024
Software Engineering / ML Intern @ <i>Home Team S&T Agency (HTX)</i> 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">Utilised GenAI for the construction of knowledge graphs from over 40,000 pages of unstructured legal documentsImplemented multi-agent LLMs for question answering (QA), for a 15% increase in accuracy in data-analysis tasksIntegrated 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	Nov. 2023 – Jan. 2024

PROJECTS / EXTRACURRICULARS

Founding SWE @ <i>Check (Iterative W25)</i> Reinventing AI-Assisted Learning <ul style="list-style-type: none">Engineered and launched over 5 novel features, driving a 40% surge in user retention and engagementImplemented client-side caching and lazy loading, reducing load times by over 80% and improving user experience	Feb. 2025 - May 2025
Insecure File Service Simple file sharing service for public use - ifs.kenf.dev <ul style="list-style-type: none">Developed a serverless file sharing service using AWS Lambda, CloudFront, and S3, managed with TerraformAdopted by 50+ users for sending files to public printers, eliminating the need for sign-ins on public machines	Sep. 2024 - Present
Linux Homelab Repurposed laptop running Ubuntu Server for personal use <ul style="list-style-type: none">Exposed to the internet via Cloudflare Tunnels and secured with Cloudflare Zero Trust for remote accessUtilised as a cloud compute platform to self-host backend services with automated backups via cron jobs	Feb. 2024 - Present

TECHNICAL SKILLS

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