

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>Open Government Products (OGP)</i> OGP builds technology for the public good, solving problems for citizens and public officers <ul style="list-style-type: none">Interning under the Armoury team (https://reports.open.gov.sg/armoury/overview)	Sep. 2025 - Present
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 timeExplored rate limiter implementations to ensure system stability via managing API request ratesDesigned RPC endpoints for action-centric workflows, reducing integration complexity	May 2025 - Aug. 2025
Founding Software Engineer @ <i>Check (Iterative W25)</i> Check offers an AI tutoring platform that enhances student performance with personalized, curriculum-aligned learning <ul style="list-style-type: none">Engineered and launched over 5 novel features, driving a 40% surge in user retention and engagementOptimized daily pg_cron jobs to ingest thousands of session results for identifying students' areas for improvementImplemented client-side caching and lazy loading, reducing load times by over 80% to improve user experience	Feb. 2025 - May 2025
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 usersLeveraged 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

PROJECTS / EXTRACURRICULARS

Insecure File Service Simple file sharing service for public use - ifs.kenf.dev <ul style="list-style-type: none">Designed 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 <ul style="list-style-type: none">Configured a reverse proxy on a DigitalOcean droplet to handle SSL termination, optimizing network performanceEnhanced security posture by facilitating p2p connections with Tailscale as a Zero Trust Network (ZTN) solutionUtilised as a cloud compute platform for self-hosting services, enabling cost-effective testing and rapid iterationAutomated off-site backups to Backblaze B2 using cron and rsync, with Telegram notifications for status updates	Feb. 2024 - Present

TECHNICAL SKILLS

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