

# Kenneth Seet

+65 88763627 | [kseet.dev](https://kseet.dev) | [github.com/itstrueitstrueitsrealitsreal](https://github.com/itstrueitstrueitsrealitsreal) | [linkedin.com/in/kenneth-seet](https://linkedin.com/in/kenneth-seet) | [kenurfseet@gmail.com](mailto:kenurfseet@gmail.com)

## EDUCATION

<b>National University of Singapore</b> <i>Bachelor of Computing in Computer Science</i>	Aug. 2022 - Jan. 2026
• <b>Grade Point Average:</b> 4.44/5.00, Honours (Distinction)	
• <b>Coursework:</b> Data Structures & Algorithms, Operating Systems, Computer Networks, Parallel & Concurrent Programming	
• <b>Courses Taught/Mentored:</b> Object-Oriented Programming, Software Engineering	

## EXPERIENCE

<b>TikTok</b> <i>Backend Software Engineer, Local Services - Governance Platform</i>	Jan. 2026 - Present
<b>ByteDance</b> <i>Software Engineer Intern, Foundational Technology</i>	<i>Singapore</i> Jun. 2025 - Dec. 2025
• Contributing to <b>KubeAdmiral</b> , a multi-cluster <b>Kubernetes</b> federation system, which manages <b>210,000 nodes</b> and supports over <b>100,000 microservices</b> internally.	
• Resolved a logging bottleneck with <b>Zerolog logging &amp; Lumberjack log rotation</b> , implementing non-blocking, async message handling during high disk I/O.	
• Upgraded KubeAdmiral's internal metrics library and added alerting metrics for dropped logs, enabling on-call engineers to proactively address issues related to the previous log-blocking bottleneck.	
• Optimized multi-cluster scheduling by designing and implementing scheduling plugins to reduce resource fragmentation and improve debugging, leading to a <b>30% improvement</b> in cluster utilization.	
• Streamlined SRE operations by developing an automated workflow for SREs using a <b>RESTful API</b> in Go, which validated human inputs before interacting with the <b>Kubernetes API</b> , minimizing human error by replacing CLI operations.	
<b>Autodesk</b> <i>Software Development Engineer Intern, Identity Service Team</i>	Jan. 2025 - Jun. 2025
• Maintained and enhanced Autodesk's Authorization API, a <b>RESTful API</b> utilizing <b>OAuth 2.0</b> and <b>OpenID Connect</b> standards to authorize requests for over <b>20 million monthly active users</b> .	<i>Singapore</i>
• Migrated Go integration tests from stdlib to <b>Ginkgo BDD</b> framework, collaborating with PMs/QAs to boost test efficiency and reliability.	
• Engineered <b>Go CLI tools</b> using Viper to automate feature flag archival, eliminating manual reviews, saving <b>~2 hours/week</b> .	
• Authored and updated <b>OpenAPI documentation</b> to ensure the public-facing API specification remained accurate and up-to-date with new features.	
• Worked within an Agile scrum workflow, participating in daily stand-ups and sprint retrospectives to drive continuous improvement.	
<b>Home Team Science &amp; Technology Agency</b> <i>Full Stack Engineer Intern, Q Team</i>	May. 2024 - Aug. 2024
• Spearheaded an automated assessment platform for <b>all ten MHA agencies</b> by researching and integrating state-of-the-art <b>LLMs</b> (incl. <b>LLaMA3.1, Mixtral</b> ) to generate and mark questions from training manuals.	<i>Singapore</i>
• Engineered and deployed a full-stack, modular application, designing its architecture with <b>Docker</b> for cloud-based trials, building the UI in <b>React</b> , and securing the <b>FastAPI</b> and <b>MySQL</b> backend with <b>JWT authentication</b> .	
• Utilized <b>Swagger UI</b> for testing and validating API endpoints, ensuring the functionality and adherence to the API contract during the development process.	
• Contributed to the full <b>Software Development Life Cycle (SDLC)</b> , engaging with stakeholders to gather requirements, define features, and collaborating with teammates to support the project through to final testing and deployment.	

## PROJECTS

<b>TEAMMATES</b>	Jun. 2024 - Present
• Maintained <b>TEAMMATES</b> , an award-winning open-source feedback management system active since 2010, used by over <b>1,000,000 users</b> in <b>1,100+ universities</b> worldwide and featured in <b>Google Summer of Code</b> .	
• Collaborated with a global community of contributors to enhance the <b>CI/CD</b> pipeline by creating automated workflows for issue and PR management, improving project maintainability and developer experience.	

## TECHNICAL SKILLS

<b>Languages:</b> Go, Java, Python, TypeScript
<b>Libraries, Frameworks &amp; Tools:</b> Kubernetes, Git, PostgreSQL, MySQL, MongoDB, FastAPI, AWS, Docker, Next.js, Node.js, React, React Native, Ginkgo, Github Actions, Firebase
<b>Certifications:</b> AWS Certified Solutions Architect - Associate (SAA-C03)