

# Zane Chee

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## Education

<b>Singapore Management University</b> BSc Computer Science   Software Systems	<b>Aug 2023 – exp. Apr 2027</b>
<ul style="list-style-type: none"><li>• <b>GPA:</b> 3.99/4.00</li><li>• <b>Awards:</b> Global Impact Scholarship, Dean's List (all AYs)</li></ul> <ul style="list-style-type: none"><li>• <b>Research:</b> Singapore-MIT Alliance for Research &amp; Technology, Mendaki</li><li>• <b>Teaching:</b> Programming Fundamentals I &amp; II</li></ul>	

  

<b>Exeter College, Oxford University</b> Exeter College Summer Program	<b>Jun 2024 – Aug 2024</b>
<ul style="list-style-type: none"><li>• <b>Coursework:</b> Numerical Algorithms for Linear Algebra, Optimization, &amp; Deep Learning</li></ul>	

## Experience

<b>Backend Engineer Intern, SEA Group</b>	<b>Jan 2026 - Present</b>
<ul style="list-style-type: none"><li>• Optimised OKR Agent workflow average response time from <b>10s to 2s</b>, using callbacks &amp; context compaction</li></ul>	
<b>Software Engineer, Hypotenuse AI (YC 20)</b>	<b>May 2025 - Nov 2025</b>
<ul style="list-style-type: none"><li>• Reduced per-asset load time from <b>300ms to 10ms</b>, through on-event AWS Lambda image thumbnail generation</li><li>• Decreased CSV import time from <b>3h to 2min</b> for over 5000 products using parallel Celery workers &amp; RabbitMQ</li><li>• Improved product database search latency from <b>20s to under 400ms</b> with Redis caching &amp; reduced table joins</li><li>• Sped up PostgreSQL queries on JSONB product metadata from <b>10s to 200ms</b>, through GIN &amp; GIST indexes</li></ul>	
<b>Lead Developer &amp; Co-Founder, Vinesweeper</b>	<b>May 2024 - May 2025</b>
<ul style="list-style-type: none"><li>• Delivered e-commerce product monitoring with <b>90% accuracy</b> across 10 categories using Selenium, Playwright</li><li>• Boosted compute efficiency for variable workloads, <b>reducing cost by 50%</b> via ECS Fargate, RDS read replicas</li><li>• Incubated with <b>over \$5000 in funding</b> in SMU's flagship Business Innovations Generator (Jan 2025 Cohort)</li></ul>	
<b>Lead Solutions Engineer, Global Partners Consulting</b>	<b>Nov 2023 - Apr 2024</b>
<ul style="list-style-type: none"><li>• Sped up internal workflows from <b>24h to under 15min</b>, via Python FastAPI integration, Outlook &amp; Gmail APIs</li><li>• Raised <b>team velocity by 90%</b> (measured in features shipped) over 1 month through Github Actions CI/CD</li></ul>	

## Certifications

<b>Amazon Web Services: Certified Solutions Architect Associate</b>	<i>valid until 18 Apr 2028</i>
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## Awards

<b>UBS SMU-X IT Solution Architecture Award</b>	<a href="#">Github</a>
<ul style="list-style-type: none"><li>• Built CRM with <b>sub-5s latency &amp; over 50,000 concurrent transactions</b> with Fargate, Lambda, Terraform IaC</li></ul>	
<b>Alibaba Global E-Commerce Challenge, 1st Place</b>	<a href="#">Github</a>
<ul style="list-style-type: none"><li>• Created full stack AliExpress export compliance system for <b>over 10,000 sellers</b> with NodeJS &amp; Python FastAPI</li></ul>	

## Technical Skills

<b>Languages &amp; Frameworks:</b> Java (Spring Boot), Python (FastAPI, Pydantic, Alembic), Golang (GORM), C, SQL
<b>Database &amp; Distributed Systems:</b> NoSQL, PostgreSQL, Redis, Kafka, RabbitMQ, ElasticSearch, DuckDB, gRPC
<b>Cloud Infrastructure &amp; Tools:</b> AWS, Terraform, Docker, Linux, Nginx, Gitlab CI/CD, GitHub Actions, Git, Agile