

# LEE KEE

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A proactive Computing Science undergraduate experienced in full-stack development, programming, and system design. Passionate about building scalable, efficient software systems to drive business outcomes. Seeking a software developer role to contribute to innovative projects and further develop technical expertise.

## SKILLS/EXPERIENCE

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- Programming: Python, Java, C, C++, C#, PHP, JavaScript, SQL
- Frameworks: FastAPI, Spring Boot, Next.js, PyTorch, Maven
- Technologies: Git, Linux, Docker, Kubernetes, Godot, Unity, MongoDB, MySQL, Firebase
- Tools: GitHub/GitLab, Tableau, CI/CD Pipelines, Figma, Jira, Confluence

## EMPLOYMENT HISTORY

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### Graduate Software Engineer

Credit Agricole CIB (CACIB), Singapore | Jul 2025 – Present

- Selected for the 1-year Propeller Programme in Capital Markets, Software Engineering track.
- Delivered automated front-end regression testing using Java, Selenium WebDriver, and Cucumber, improving automated coverage by 20%.
- Managed big data clusters and enhanced Java-based extraction pipelines, improving system monitoring and reporting efficiency for critical banking applications.

### Quality Assurance Intern

PSA International, Singapore | Sep 2024 – May 2025

- Designed and implemented solution architecture for an automated end-to-end testing application for a capstone project, streamlining software quality processes (see Projects).
- Executed up to 300 test cases per release cycle, ensuring compliance for global logistics systems.
- Developed defect analysis tools, reducing reporting efforts by 50%.
- Raised defects, assisted with troubleshooting, and managed daily reports.
- Collaborated with cross-functional teams to deliver high-quality software adhering to Agile practices.

### Java Developer

Cognizant Technology Solutions, Singapore | Jul 2021 – Aug 2022

- Provided technology consulting services in the banking & finance sector, configured build automation tools and migrated CI/CD pipelines for client banking applications from TeamCity to GitLab with Ansible in Agile teams.
- Developed RESTful APIs using Java and Spring Boot, and automated backend testing with JUnit.

## PROJECTS

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### AI Automation Software for QA (Capstone Project)

- Built an AI-powered application for test script automation, reducing manual efforts by 30%.
- Tech stack: RESTful APIs with FastAPI, Angular, PostgreSQL, and OpenAI API integration.
- Designed, implemented, and successfully pitched the solution to department management.
- Integrated Docker for scalable deployments and performed load testing with Locust.

### LabEquip Mobile Application

- Designed backend systems for an educational app to identify lab equipment using PyTorch and Kotlin.
- Built object detection and database systems to support safe lab equipment usage.

### Mimibot - AI Chatbot with Data Visualisation for Children's Development

- Global Semi-Finalist, Microsoft Imagine Cup 2021. Developed a web app with Angular, Google DialogFlow, Firebase, ChartJS to track children's cognitive development and well-being.

## LEADERSHIP

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### Executive Committee Member (Senior Ambassador), SIT (School of Information Technology) Club | Nanyang Polytechnic

- Led teams of 10-20 for school events and organised IT-related events.
- Nominated as Logistics Assistant-in-Charge (AIC) to manage logistics for a 300+ participant event for the 2019 Freshman Orientation, and emceed for the event.

### Vice-President, Current Affairs & Debate Club | Nanyang Polytechnic

- Led training sessions, organised competitions, and honed public speaking and presentation skills.

## COURSES / CERTIFICATIONS

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- Cloud Technologies/Others: AWS Academy Cloud Foundations, AWS Academy Cloud Architecting, Azure Fundamentals AZ900, Google Data Analytics Professional Certificate, UiPath Robotic Process Automation (RPA) Development
- Languages: French, Diplôme d'Études en Langue Française (DELF) A1 Examination

## EDUCATION

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**Singapore Institute of Technology and University of Glasgow**

Bachelor's Degree in Computing Science with Honours (Specialization in Internet-of-Things (IoT)) | 2022 – Graduating Oct 2025

- Coursework: IoT Systems, Full-Stack Development, Artificial Intelligence/Machine Learning, System Architecture, and Cloud Computing.
- Teaching Assistant for the Introduction to Computer Systems (INF1101) module for 2 semesters, guiding students in Python programming and Linux command-line fundamentals.

**Nanyang Polytechnic**

Diploma in Information Technology (Specialization in Business Analytics) | 2018 – 2021

- Received the IMDA (Infocomm Media Development Authority) IPoly Scholarship.