

# Lai Thuan Phat

## Software Engineer

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### SUMMARY

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Aspiring Software Engineer with hands-on experience building backend applications using Java, Spring Boot, PostgreSQL, and REST APIs. Skilled in designing reliable business logic, database transactions, authentication, testing, and deployment automation. Passionate about solving real-world problems, improving system performance, and building scalable software. Seeking a Software Engineer Intern role to strengthen my development skills and contribute to production-ready applications.

### EXPERIENCE

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#### IT Support Intern

Mar 2026 – July 2026

Saigon Precision

- Managed and resolved technical incidents through the ticketing system while meeting SLA requirements.
- Installed and configured Windows/Linux systems, business applications, printers, and peripheral devices.
- Administered user accounts, permissions, password resets, and access revocation across Active Directory, Google Workspace, and Microsoft 365.
- Diagnosed and resolved LAN/WAN, Wi-Fi, VPN, TCP/IP, DNS, and DHCP connectivity issues locally and remotely.
- Supported Windows/Linux servers, security patching, antivirus deployment, and network access control.

### TECHNICAL SKILLS

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**OS & Hardware:** Linux, Basic Virtualisation

**Cloud & IaC:** AWS, Terraform, Ansible

**Testing & Tools:** Postman, Swagger, Jira

**CI/CD & Containers:** GitHub Actions, Docker

**Backend:** Spring Boot

**Database:** PostgreSQL

**Language:** Java

### PROJECTS

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**Hotel Booking Service** | [github.com/Patruxs/hotel-booking-service](https://github.com/Patruxs/hotel-booking-service)

**Infrastructure / Fullstack Developer**

Developed a scalable hotel booking platform with secure reservations, AWS deployment, and automated CI/CD.

**Tech Stack:** Spring Boot, PostgreSQL, AWS, Terraform, Ansible, Docker, React

- Prevented overbooking with transactional room inventory updates and row-level locking.
- Improved availability by distributing traffic across multiple EC2 instances behind an Application Load Balancer.
- Automated AWS infrastructure provisioning with modular Terraform and private RDS networking.
- Optimized deployment with Docker multi-stage builds and a GitHub Actions–Ansible pipeline.

### EDUCATION

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#### Saigon Technology University

Software Engineering

- Coursework: Operating Systems, Computer Networks, Database Systems, Database Administration, Information Security, Cryptography, Systems Analysis & Design

### LEADERSHIP & COLLABORATION

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Led cross-functional student teams of 5-6 members across multiple software projects, coordinating task assignments, sprint progress, and collaboration among backend, frontend, and AI roles. Used Jira and GitHub branching workflows to track deliverables, address integration blockers, and support timely project completion.

### LANGUAGES

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**English:** Upper Intermediate (B2)