

# ZHENNI LIN

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## Education

### Stockholm University

*Master of Science in Information Security*

**Aug. 2023 – June 2025**

*Stockholm, Sweden*

## Work and School Experience

### Luday

**Aug 2024 – Present**

*Full Stack Developer - Internship*

*Stockholm*

- Applied **Agile principles** and participated in **daily Scrum meetings** to improve communication between teams and ensure timely project delivery. Increased efficiency and consistently met client timelines.
- Participate in **microservices** development in **Next.js** and **Docker** for business management systems. Helped the team resolve project bugs and meet client requirements.
- Managed version control and automated CD/CI processes using **BitBucket** to enable faster and more reliable releases.

### Stockholm University

**Mar 2024 – May 2024**

*Group Project - Cyber Forensics Lab Project*

*Stockholm, Sweden*

- Conducted comprehensive network forensics analysis as part of lab assignments, utilizing tools such as Wireshark, Autopsy/FTK Imager, and Kali Linux VM to investigate and document network intrusions and suspicious wireless traffic
- Employed forensic methodologies to analyze .pcap files, identifying sources and destinations of suspicious traffic, transport layer protocols, and potential attack techniques.
- Investigated potential network intrusions by analyzing network traffic captures and Linux server images, correlating evidence and generating detailed reports on findings.

## Projects

## Portfolio

### Bank Microservices System | *Java, Spring Boot, Spring Cloud, MySQL, Docker*

**Under development**

- Developed three **Spring Boot RESTful API microservices** with MySQL and documented using Springdoc OpenAPI.
- Dockerized** microservices and used Docker Compose for streamlined deployment and scalability
- Configured **Spring Cloud Config** for centralized management, allowing microservices to fetch configs from GitHub
- Implemented **Eureka Server** for client-side service discovery, enabling seamless internal API communication

### Book Management Application | *React, Vite, Tailwind CSS, Spring Boot, MySQL, Stripe, AWS*

**October 2024**

- Built a book management platform with **React + Vite** for frontend, using **Redux Toolkit** for state management, and **Spring Boot** for backend to develop a **RESTful API**. Users can search, borrow, return books, leave ratings and comments, and handle late return fees, while admins manage book data and inquiries
- Implemented **OAuth2 authentication** via **Okta** to ensure secure user login. Integrated **Stripe** for handling late fees and related payments
- Migrated the database from **local MySQL** to **AWS RDS**, deployed the application on **EC2** and **S3**, and secured communications with **SSL/TLS certificates (AWS ACM and CloudFront)**.

### The Wild Oasis | *Vite, React, Styled-Component, Supabase*

**February 2024**

- Developed a **full-stack application** for a small boutique hotel with 8 luxurious wooden cabins , incorporating **Supabase** for backend data management and authentication, and implementing **React Router** for project routing.
- Created an internal system for staff to check hotel bookings, cabins, and handle guest check-ins and check-outs.
- Utilized **React Query** for remote state management and **Context API** for UI state management to enhance data handling, allowing for **CRUD operations** on bookings, cabins, and check-in/check-out data with Supabase.
- Styled the application with **Styled-Components** and implemented form management with React Hook Form, integrating libraries such as React Hot Toast, Recharts, React Icons, and date-fns for components.

## Technical and Additional Skills

**Programming Languages:** Java, Python, Javascript, SQL, Typescript, HTML, CSS

**Other Technologies:** MyBatis, Redis, React, Vite, Next.js, Maven, Junit, Tailwind CSS, Redux, Linux, Ubuntu, MS Office, Git, Visual Studio Code, IntelliJ IDEA, Postman, Wireshark, Latex, Virtualbox, Docker, BitBucket

**Language:** Fluent in English and Mandarin(native), basic Cantonese