

Allen Vincent Lacoste

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SUMMARY

I'm a Computer Science graduate with a passion for building software and solving problems. I've worked with Java, Python, and web technologies like HTML, CSS, JavaScript, and React. I enjoy learning new things, working with others, and building real projects that make a difference. I'm eager to grow as a Software Engineer and contribute to a team where I can keep improving and deliver high-quality work.

EDUCATION

CENTRO ESCOLAR UNIVERSITY - MANILA Bachelor of Science in Computer Science	2021 - 2025
CENTRO ESCOLAR INTEGRATED SCHOOL - MANILA STEM	2019 - 2021

WORK EXPERIENCE

Automa8e Technologies Programmer Software Development Intern <i>Automa8e Technologies</i> <ul style="list-style-type: none">Assisted in building an automated pipeline to extract, validate, and convert financial data from Annual Reports into compliant XBRL format.Developed backend components using Python and Django, integrating with PostgreSQL for structured data storage and retrieval.Employed Pydantic AI and AI agents to validate financial data, enforce business logic, and ensure compliance with XBRL taxonomy standards.Implemented custom validation rules and AI-driven checks to improve data integrity and reduce manual review effort.Designed a linear validation workflow, enabling a smooth transition from PDF document parsing to final XBRL output.Utilized regular expressions and PDF parsing libraries to extract relevant financial content from structured and unstructured documents.	Feb - May
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PROJECTS

XBRL Validator <i>Personal Project</i> <ul style="list-style-type: none">Designed and developed a full-featured inventory management system to track products, stock levels, and transaction history.Built using Java and PostgreSQL, applying Object-Oriented Programming (OOP) principles for modular and scalable backend architecture.Developed a clean and responsive user interface using React.js, HTML, CSS, and JavaScript, ensuring a smooth user experience.Implemented core features such as CRUD operations, real-time stock updates, category and supplier management, and user authentication.Ensured data integrity through input validation, database constraints, and robust error handling.Optimized query performance using SQL joins and stored procedures for faster data retrieval and reporting.	Feb 2025 - May 2025
Inventory Management System	August 2022 - Jan 2022

Personal Project

- Designed and developed a full-featured inventory management system to track products, stock levels, and transaction history.
- Built using Java and PostgreSQL, applying Object-Oriented Programming (OOP) principles for modular and scalable backend architecture.
- Developed a clean and responsive user interface using React.js, HTML, CSS, and JavaScript, ensuring a smooth user experience.
- Implemented core features such as CRUD operations, real-time stock updates, category and supplier management, and user authentication.
- Ensured data integrity through input validation, database constraints, and robust error handling.
- Optimized query performance using SQL joins and stored procedures for faster data retrieval and reporting.

Gym Workout Tracker2024 - 2025

Personal Project

- Designed and developed a full-stack fitness tracking application to manage workouts, exercises, and progress history.
- Built the backend using Java, Spring Boot, and MySQL, applying Object-Oriented Programming (OOP) and REST API design principles for scalability and maintainability.
- Created an interactive frontend with React.js, HTML, CSS, and JavaScript, enabling users to log workouts, view history, and visualize progress.
- Implemented core features such as user authentication (JWT), workout plan creation, exercise tracking (sets, reps, weights, duration), and progress analytics.
- Ensured data consistency and security through input validation, database constraints, and Spring Security integration.
- Enhanced user experience with a clean UI and responsive design for desktop and mobile devices.

SKILLS	
Languages: Java, Python, JavaScript, TypeScript, C++, HTML, CSS	Tools: Git, GitHub, AWS, Postman, REST APIs, AI Agents, JSON
Frameworks: Django, Spring Boot, Node.js, Express.js, React.js, Next.js	Development: OOP, Full-Stack Development, API Design, Agile, Debugging
Databases: PostgreSQL, MySQL, Firebase, MS Access	