Sean Lumasag

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EDUCATION

Rutgers University   **Expected May 2027**
B.S. in Computer Science and Data Science   *New Brunswick, NJ*
- GPA: 3.87 | Dean's List
- Coursework: Data Structures & Algorithms, Computer Architecture, Data Analysis, Discrete Structures, Linear Algebra

EXPERIENCE

Software Engineer Intern   **May 2025 – August 2025**
Data Storytelling   *Milltown, NJ*
- Built a payment-to-fulfillment pipeline by integrating TypeScript with PayPal order capture and linking orders to persisting transaction IDs, creating a complete auditable payment ledger across 5 new database tables
- Fixed cross-session dashboard data inconsistencies by correcting Supabase query scope and normalizing React state hydration, eliminating stale/missing user records across refresh/login flows on 8 pages
- Secured platform workflows by implementing Supabase Auth and writing 20 Row Level Security policies, enforcing role-based access control to prevent unauthorized reads/writes

Coding Instructor   **June 2024 – August 2024**
Hadoop Express   *Parsippany, NJ*
- Taught Python, block coding, and robotics concepts by designing 50+ hands-on project exercises focused on logic and application, resulting in student improvements in problem-solving and code accuracy
- Led weekly instruction for 20+ students through structured lesson plans and performance tracking, achieving a 90% successful module completion rate

PROJECTS

Live Messaging App | *Java, Spring Boot, WebSockets, PostgreSQL, JWT, React*   **January 2025**
- Built a real-time messaging platform with chat rooms and message history using Spring Boot REST APIs, JWT auth, WebSocket/STOMP delivery, and PostgreSQL for secure low-latency communication
- Enforced stateless authentication and server-side access control through JWT filters for HTTP/WebSocket flows, BCrypt hashing, and layered backend architecture

Job Application Tracker | *Java, Spring Boot, PostgreSQL, JWT, Docker, React*   **January 2025**
- Built a workflow-driven job application management system with analytics dashboards using Spring Boot APIs, JWT auth, audit trails, pipeline stages, and a React/TypeScript frontend
- Implemented production-grade security and operational tooling through refresh tokens, rate limiting, metrics endpoints, and Dockerized deployment

API Gateway | *Java, Spring Boot, OAuth2/JWT, Redis, Prometheus*   **December 2025**
- Built a centralized API gateway to secure downstream services using Spring Cloud Gateway with OAuth2/JWT validation and route-level authorization
- Implemented distributed rate limiting and observability with Redis-backed throttling, correlation IDs, and Prometheus metrics

SKILLS

Languages: Java, Python, JavaScript, TypeScript, C++, SQL
Frameworks/Libraries: Spring Boot, JPA/Hibernate, React
Tools: PostgreSQL, Redis, Docker, Supabase, Prometheus, Git, Figma