

# Sean Lumasag

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## EDUCATION

### Rutgers University

B.S. in Computer Science and Data Science

Expected May 2027

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, MFA, 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