Steven Le

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Education

University of Maryland, College Park	**May 2025**
Bachelor of Science in Information Science	*GPA: 3.7/4.0*
Certifications	**July 2025**

Amazon Web Services - AWS Cloud Practitioner

Technical Skills

Languages:	Java, Python, JavaScript, SQL, Swift
Frameworks & Libraries:	Spring Boot, Flask, FastAPI, React, Node.js, GraphQL, REST APIs
Cloud & Infrastructure:	AWS (EC2, EKS, Lambda, RDS, S3), Docker, Kubernetes, GitHub Actions
Databases & Tools:	PostgreSQL, MongoDB, DynamoDB, Redis, Kafka, Celery, JUnit, Maven

Experience

Software Engineering Simulation — **January 2025 – February 2025**
JPMorgan Chase — *Remote*

- Developed high-throughput Kafka-based Spring Boot backend processing 10K+ financial transactions with real-time validation and H2 database integration
- Integrated external Incentives API and built RESTful endpoints delivering sub-200ms response times for concurrent simulated trading scenarios
- Implemented modular architecture using Maven, reducing debugging cycles by 30% across data ingestion and API service layers

Software Engineering Intern — **June 2024 – January 2025**
Chosan — *Los Angeles, CA*

- Architected and deployed Spring Boot microservices on AWS EKS, achieving 99.9% uptime across 200+ rental units and reducing infrastructure costs by 25%
- Engineered automated ETL workflows processing 10K+ property records, eliminating 40+ hours of manual work quarterly and reducing data processing errors by 90%
- Implemented comprehensive CI/CD pipelines using GitHub Actions and GitLab, reducing deployment time from 2 hours to 36 minutes (70% improvement)
- Established robust testing framework with JUnit and Postman achieving 95% code coverage, preventing 40+ potential production incidents

Software Engineering Intern — **May 2024 – August 2024**
HouseMate — *College Park, MD*

- Developed core iOS application features using Swift and MVVM architecture, supporting expense tracking and shared calendar functionality for 100+ active users
- Integrated Venmo P2P payment system using OAuth2 and native URL schemes, facilitating $12K+ in secure roommate transactions
- Optimized Firestore database performance through strategic caching and indexing, reducing read operations by 40% and average response latency by 200ms
- Enhanced application reliability by implementing comprehensive UI testing suite, increasing test coverage by 60% for critical user flows

Projects

Stock Sentiment Engine | *Python, FastAPI, PostgreSQL, Celery, Redis* — **June 2025**

- Engineered FinBERT-based sentiment analysis pipeline processing 2.5K+ Reddit posts daily, generating actionable trading signals with 78% accuracy
- Deployed asynchronous task processing using Celery and Redis, reducing signal generation latency by 65% and supporting real-time trading decisions

RentalOps Platform | *Java, Spring Boot, PostgreSQL, Docker, Kubernetes, AWS, React* — **January 2025**

- Built comprehensive property management platform using microservices architecture deployed on AWS EKS, supporting multi-tenant operations
- Created responsive React dashboards with role-based access control and real-time data synchronization for property managers, maintenance staff, and cleaning crews

Abandoned Cart Recovery System | *AWS Lambda, DynamoDB, EventBridge, SES* — **October 2024**

- Architected serverless e-commerce solution using AWS Lambda and EventBridge, automating 2K+ monthly email campaigns and recovering 18% of abandoned carts ($2.5K+ revenue)