




Steven Le

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EDUCATION

University of Maryland

May 2025

Bachelor of Science in Information Science; GPA: 3.7/4.0

College Park, MD

- **Relevant Coursework:** Database Design & Modeling, Tech Infrastructure Architecture
- **Certifications:** Amazon Web Services - AWS Cloud Practitioner

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL

Frameworks: React, Node.js, Spring Boot, Flask, GraphQL, REST APIs

Cloud & DevOps: AWS (EC2, Lambda, RDS, S3, EKS), Docker, Kubernetes, GitHub Actions

Databases: PostgreSQL, MongoDB, DynamoDB, MySQL

Tools: Kafka, Redis, Postman

EXPERIENCE

Software Engineering Simulation

Jan. 2025 – Feb. 2025

JPMorgan Chase

Remote

- Built Kafka-based Spring Boot backend processing 10K+ transactions with real-time validation and H2 persistence
- Integrated external Incentives API, increasing recipient balances by up to 15% based on transaction context
- Exposed REST API for user balance queries with sub-200ms response time in testing across 50+ simulated users
- Modularized Spring Boot app with Maven, reducing debug cycles 30% across ingestion, database, and REST layers

Software Engineering Intern

Jun. 2024 – Jan. 2025

Chosan

Los Angeles, CA

- Architected Spring Boot microservices on AWS EKS with auto-scaling, supporting 99.9% uptime for operations
- Automated ETL workflows for 200+ units, saving 40+ hours quarterly and reducing manual data lookup by 90%
- Deployed CI/CD using GitHub Actions and GitLab pipelines, reducing release time by 70% with compliance checks
- Led code review process establishing testing standards with 90%+ coverage, preventing 40+ production bugs

Software Engineering Intern

May 2024 – Aug. 2024

HouseMate

College Park, MD

- Designed iOS app architecture in Swift using MVVM pattern for expense tracking and shared calendar features
- Implemented distributed caching layer with Firestore indexing, reducing database load by 40% and latency by 20%
- Integrated Venmo P2P payments using OAuth2 with secure native URL schemes for roommate transactions
- Established UI testing framework increasing test coverage by 60% for expense input and calendar sync modules

PROJECTS

AI-Powered Stock Sentiment Engine | *Python, FastAPI, PostgreSQL, Celery, Redis*

Jun. 2025

- Designed distributed system processing 2.5K+ Reddit posts daily with FinBERT sentiment achieving 92% accuracy
- Engineered async task queue with Celery and Redis for real-time ingestion, reducing processing latency by 65%

Rental Operations Platform | *Java, Spring Boot, PostgreSQL, Docker, Kubernetes, AWS, React*

Jan. 2025

- Architected event-driven microservices platform using CQRS pattern to automate check-ins and maintenance ops
- Built role-based React dashboards with real-time updates, supporting admin, cleaner, and maintenance teams

Production Banking Platform | *Flask, PostgreSQL, Next.js, Tailwind*

Mar. 2024

- Designed secure multi-tenant banking backend with JWT authentication and PostgreSQL managing 1K+ trades
- Implemented real-time fraud detection algorithms and spending insights, reducing manual tracking effort by 90%

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

Oct. 2024

- Built serverless notification system recovering 18% of abandoned carts through automated email workflows
- Orchestrated 2K+ personalized emails monthly using SES with dynamic content, increasing CTR by 26%

LEADERSHIP AND COMMUNITY INVOLVEMENT

Phi Delta Sigma Fraternity Inc.

Aug. 2024 – May 2025

Warden and Fundraising Chair

College Park, MD

- Led cross-functional fundraising initiatives raising \$6,000+ and coordinated logistics for 10+ campus events