Steven Le

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Education

University of Maryland May 2025
B.S. in Information Science | GPA: 3.7 / 4.0 *College Park, MD*
Relevant Coursework: Database Design & Modeling, C++ & Java Programming, Tech Infrastructure Architecture
Certifications: *Google Associate Cloud Engineer (ACE) & Meta Back-End Developer Certificate*

Technical Skills

Languages: Python, Java, JavaScript/TypeScript, C++, Go, SQL (PostgreSQL, MySQL)
Frameworks: React, Node.js, Spring Boot, Flask, Django, GraphQL, REST APIs
Cloud & DevOps: AWS (EC2, Lambda, RDS, S3, EKS), Docker, Kubernetes, GitHub Actions
Databases: PostgreSQL, MongoDB, DynamoDB

Experience

Software Engineering Simulation Jan. 2025 – Feb. 2025
JPMorgan Chase *Remote*
- Designed Kafka transaction system in Spring Boot, boosting validation speed 30% with 100% data integrity in H2
- Integrated Incentives API for dynamic rewards, optimizing real-time balance updates and transaction accuracy
- Deployed REST APIs serving 1,000+ requests with 99.9% uptime, cutting response latency 45% via optimization
- Architected microservices with Maven, reducing build times 25% across 3 development environments

Software Engineering Intern Jun. 2024 – Jan. 2025
Chosan *Los Angeles, CA*
- Built microservices platform using Spring Boot, Docker, and PostgreSQL to automate operations for 200+ units
- Replaced manual spreadsheets with scalable, JWT-secured REST APIs, boosting operational efficiency by 40%
- Integrated CI/CD pipelines using Jenkins and GitHub Actions, reducing deployment time by 70%
- Deployed services on AWS EKS and RDS, improving reliability, uptime, and scalability across infrastructure
- Built automated test suite with 90%+ coverage using JUnit and Postman, preventing 40+ production bugs

Software Engineering Intern May 2024 – Aug. 2024
HouseMate *College Park, MD*
- Built core features for an iOS app in Swift using MVVM for expense tracking and shared calendars
- Optimized Firestore sync logic, cutting reads/writes by 40% and reducing latency by 20% with caching and indexing
- Added Venmo-based P2P payments using OAuth2 and URL schemes for secure native roommate transactions
- Raised UI test coverage by 60% by writing unit tests for expense input and calendar sync features

Projects

AI-Powered Stock Sentiment Engine | *Python, FastAPI, PostgreSQL, Celery, Redis* Jun. 2025
- Built FastAPI backend analyzing 2.5K+ Reddit posts/day with FinBERT sentiment (92% accuracy)
- Trained XGBoost on OHLCV data detecting chart patterns (74% F1), feeding ML into GPT trade prompts
- Automated pipeline with Celery + Redis, reducing insight latency from post detection to signals under 45s
- Achieved 18.7% portfolio returns using AI signal accuracy, outperforming S&P 500 by 12.3% in backtesting

Rental Operations Platform | *Java, Spring Boot, PostgreSQL, Docker, Kubernetes, AWS, React* Jan. 2025
- Built and deployed full-stack platform using microservices and Kubernetes to automate check-ins and maintenance
- Developed role-based dashboards in React with Tailwind for admin, cleaner, and maintenance teams

Production Banking Platform | *Flask, PostgreSQL, Next.js, Tailwind* Mar. 2025
- Built secure Flask backend with JWT auth and PostgreSQL to manage multi-account finance and transaction
- Created routes to manage budgets, transfers, and categorized spend with API-driven logic
- Surfaced real-time spending insights and fraud alerts, reducing tracking effort by 90%

Distributed Document Processor | *React, Supabase, OpenAI API, Tesseract.js* Jan. 2025
- Developed OCR-to-AI pipeline using Tesseract.js and OpenAI for summarizing financial documents
- Improved document clarity by 80% with natural language outputs and real-time preview UI

Cloud Notification System | *AWS Lambda, SNS, DynamoDB* Oct. 2024
- Engineered serverless alert system using SNS triggers, enabling real-time SMS/email notifications under 3 seconds