

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++ Programming, Java Programming, Computer Science I & II, Tech Infrastructure Architecture

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 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

Technical Specialist

May 2021 – Jun. 2024

Nail Design

Bel Air, MD

- Oversaw technical operations and customer inquiries during 60-hour weeks, ensuring seamless scheduling and uptime
- Maintained real-time appointment system, increasing availability coordination and reducing booking errors

CERTIFICATIONS

Google Associate Cloud Engineer (ACE)

Expected Aug. 2025

Google Cloud

Meta Back-End Developer Certificate

Jun. 2025

Meta

PROJECTS

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