

# 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:** AWS Cloud Practitioner (Amazon Web Services)

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, SQL, Java  
**Frameworks & Libraries:** Next.js, FastAPI, Express, React Native, Node.js, Prisma, REST APIs  
**Cloud & Infrastructure:** AWS (Lambda, EventBridge, DynamoDB, S3), Docker, GitHub Actions, Vercel  
**Databases & Tools:** PostgreSQL, Redis, Celery, Jest, Supertest

## EXPERIENCE

### Chosan

Aug 2024 – Present

Software Engineer

Los Angeles, CA

- Architected and deployed a full-stack property operations platform using TypeScript, PostgreSQL, and Redis, automating workflows and enabling 500+ monthly transactions across 200+ rental units.
- Integrated the Hostaway API to fetch, match, and sync guest reservations using email-session validation, enabling dynamic payment links and automating 100% of tenant payment routing.
- Refactored legacy spreadsheet workflows into modular REST APIs for bookings, payments, and guest data, reducing operations processing time by 90% and reinforcing clean, maintainable code practices.
- Implemented JWT authentication, Redis rate limiting, role-based access control, and audit trails across 15+ tables to enhance security and performance.
- Collaborated with operations and design teams to deliver 10+ production features, shipping 3 weeks ahead of roadmap targets and reducing feedback loops by 50%.

### Chosan

Jun 2024 - Aug 2024

Software Engineering Intern

Los Angeles, CA

- Developed backend APIs in TypeScript and PostgreSQL to automate rent processing and unit lookup, reducing operations workload by 90% across 200+ properties while emphasizing web fundamentals.
- Created Stripe webhook listeners and cron-based billing jobs to handle recurring payments, processing \$12K+ monthly with 99.9% uptime and ensuring clean code practices.
- Implemented Redis rate limiting and caching to stabilize traffic spikes, improving API response times by 40% during peak load periods.
- Contributed to sprint planning and debugging efforts, cutting backlog resolution time by 50% and accelerating feature delivery in a collaborative team environment.

### JPMorgan Chase

Jan 2025 - Feb 2025

Software Engineering Simulation

Remote

- Designed and deployed a Kafka-based transaction processing system in Spring Boot, improving validation speed by 30% and ensuring 100% data integrity in an H2 SQL database.
- Integrated an external Incentives API to dynamically apply rewards, optimizing real-time balance updates and enhancing transaction accuracy.

## PROJECTS

### Advanced Options Pricing Platform | Python, NumPy, Streamlit, yfinance, Plotly

Jun 2025

- Built full-stack options pricing platform with Black-Scholes, Binomial Tree, and Monte Carlo models, streamlining trading workflows by 90% and supporting multi-user portfolio management
- Engineered ML-powered volatility forecaster and 3D analytics dashboard, boosting pricing accuracy by 15% and generating 500+ data points/sec for real-time risk analysis

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

Oct 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)

## 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