Steven Le

stevle.swe@gmail.com | github.com/stevl3 | linkedin.com/in/stevle | stevl3.vercel.app

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: TypeScript, JavaScript, 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, Supabase, Stripe, Plaid, Celery, Jest, Supertest

Experience

Software Engineer **August 2024 – Present**
Chosan *Los Angeles, CA*

- Architected full-stack property operations platform using TypeScript (Next.js 14), PostgreSQL, and Redis to automate workflows, powering 500+ monthly transactions across 200+ rental units
- Integrated 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 ops processing time by 90%
- Implemented JWT authentication, Redis rate limiting, role-based access control, and audit trails across 15+ tables
- Delivered 10+ production features in collaboration with ops and design, shipping 3 weeks ahead of roadmap targets and reducing feedback loops by 50%

Software Engineering Intern **June 2024 – August 2024**
Chosan *Los Angeles, CA*

- Developed backend APIs in TypeScript and PostgreSQL to automate rent processing and unit lookup, reducing ops workload by 90% across 200+ properties
- Created Stripe webhook listeners and cron-based billing jobs to handle recurring payments, processing $12K+ monthly with 99.9% uptime
- 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

Software Engineering Simulation **January 2025 – February 2025**
JPMorgan Chase *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* **June 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* **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)

Leadership & Activities

Phi Delta Sigma Fraternity Inc. **August 2024 – May 2025**
Warden & Fundraising Chair

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