

Nilson Nguyen

530-309-9968 | nianguye2002@gmail.com | github.com/nianguye | <https://www.nilsonnguyen.com>

EDUCATION

University of California, Davis

Bachelor of Science in Computer Science

September 2022 – August 2024

Davis, CA

EXPERIENCE

Visa

February 2026 – Present

Software Engineer, Visa Risk Manager (VRM) Team

- Develop and maintain features for the Visa Risk Manager platform, supporting real-time transaction risk decisioning at global scale.
- Collaborate with cross-functional teams to design, implement, and ship backend services and APIs powering risk rule configuration and fraud mitigation workflows.
- Develop features end-to-end, writing unit and integration tests, participating in code reviews, and maintaining CI/CD pipelines to ensure code quality and reliable deployments.

Freelance Full Stack Developer

June 2024 – February 2026

Self-Employed

Remote

- Built a Turn Manager web app on the MERN stack with WebSocket-based real-time sync, helping businesses distribute employee workloads via a round-robin system and improving task allocation efficiency by 20%.
- Developed and deployed a responsive marketing website for a local nail salon using Next.js with AWS SES contact forms, increasing customer inquiries by 20%.
- Designed RESTful APIs for worker profiles, service types, and service logs, reducing administrative effort by 15%.

Freelance Roblox Developer

February 2025 – February 2026

Self-Employed

Remote

- Developed and deployed Roblox game systems in Lua, modularizing core infrastructure for clean service boundaries and robust call handling.
- Designed the full client-server stack with secure remote communication patterns and synchronized cross-server features (e.g., a global shop), supporting experiences with over 2,000 concurrent players.

PROJECTS

Legal Document Risk Analyzer | *Next.js, Tailwind CSS, TypeScript*

June 2025 – Present

- Built a web-based application that allows users to upload legal PDFs and receive structured risk assessments.
- Engineered a custom prompt system that identifies unusual clauses, one-sided terms, and legal red flags, returning results in structured JSON format with severity levels and a risk score out of 100.
- Implemented a backend pipeline to parse PDF content and interact with ChatGPT-3.5 Turbo for analysis.
- Created intuitive UI components to display exact flagged clause text and clearly explain associated risks to users.
- Ensured scalability and responsiveness with modular API design and a clean Tailwind-based user interface.

Refra | *Bun.js, AWS, PostgreSQL, SvelteKit*

October 2024 – January 2025

- Developed a point-of-sale (POS) application that enables businesses to create products and process transactions via QR code scanning, while allowing customers to generate QR codes for purchases and reward redemption.
- Created for multi-business use, unlike the Starbucks mobile app, allowing customers to earn and redeem points across multiple businesses rather than being restricted to a single brand.
- Designed and implemented RESTful APIs for managing businesses, rewards, and transactions (deposit, purchase, withdrawal), improving backend scalability and reward tracking efficiency.
- Integrated QR code generation and scanning workflows with API endpoints to enable seamless purchasing and redemption experiences.
- Structured the backend for scalability by separating business, reward, and transaction services, improving maintainability and future feature integration.

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, TypeScript, HTML/CSS, R, Lua

Developer Tools: Git, AWS

Framework: SvelteKit, React, Node.js, Express.js, PyTorch, Tailwind.css, Next.js