

Elven Li

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SUMMARY

Fullstack Software Developer with hands-on experience designing and developing innovative enterprise software applications from concept to delivery. Motivated self-starter focused on working with cross-functional teams to bring robust, user-focused software solutions to life while increasing reliability, stability, and performance at scale.

SKILLS

- **Engineering:** Fullstack Development, Frontend & UI/UX, Backend & Infrastructure, Cloud Architecture, API Design, RESTful Web Services, Microservices, Data Science, Machine Learning, Algorithms, Testing & Code Coverage, CI/CD, DevOps, Quality Assurance, Scalability, Performance, Reliability, Automation, Cybersecurity, Accessibility, Code Reviews, Documentation
- **Leadership:** Strategic Planning & Execution, Project Management, Process Improvement, Cross-Functional Collaboration
- **Technology:** Python, Java, JavaScript, TypeScript, Express, React, Node.js, Next.js, Redux, C, HTML, CSS, Tailwind CSS, Material UI, PHP, Laravel, SQL, Postgres, MySQL, MongoDB, MIPS, Azure, Digital Ocean, Firebase, Render, Vercel, Neon Database, Git, VSCode, Postman, VirtualBox, Jest, Cypress, GitHub Actions, Figma, Claude, v0, Linux

EDUCATION

- Bachelor of Science in Computer Science, SUNY Stony Brook University
- Networking and Systems Administration Course, NPower

RELEVANT EXPERIENCE

Fullstack Developer, PlasticsNxt

August 2025 - Present

- Driving the transformation and development of a B2B eCommerce plastics trading platform for a startup software company, with a focus on streamlining workflows, implementing history tracking, and modernizing the overall appearance and UX.
- Translated owner requests into feasible feature implementations, developed project timelines, and held meetings to ensure alignment as one of only 2 developers within an Agile development workflow.
- Revamped and modernized the landing page to display information about the site, user journey, userbase, and pricing.
- Built and implemented new monetization features, including featured ad placements, paid listing enhancements, and subscription tiers to align the user experience with revenue goals.
- Optimized UI/UX design for responsive performance across devices by compressing media, virtualizing lists for large datasets, integrating pagination, optimizing DOM structure, removing excessive nesting, and implementing skeleton screens.
- Enhanced readability, maintainability, and long-term scalability by refactoring and modularizing large Laravel components.
- Developed structured buyer/seller profiles and catalog pages showcasing certifications, transaction history, and product catalogs to strengthen marketplace credibility and trust across all aspects of the plastics industry.
- Implemented cleaner routing, middleware, and controller structures to reorganize the application into smaller, single-purpose components, reduce code duplication, and increase the reusability of components.

Fullstack Developer, InkWorks Printing Inc

January 2025 - August 2025

- Designed and developed a responsive eCommerce platform from scratch that enables users to design and customize apparel while ensuring a smooth user experience, accessibility, and SEO optimization using React, Redux, and Tailwind CSS.
- Implemented a custom design editor to support image uploads across image formats, text styling, and live previews on apparel templates, leveraging React and specialized npm libraries.
- Reduced asset sizes, created new descriptive tags, and implemented skeleton states and loading animations to streamline the user experience, and improved accessibility by introducing ARIA roles and keyboard-friendly interactions.
- Ensured secure and efficient client-server communication by building RESTful APIs with Node.js and Express for tracking inventory management, user authentication, and order processing.
- Designed and optimized a MongoDB database with 200+ product listings by implementing schema design, indexing strategies, and query optimization to ensure efficient data organization, fast retrieval, and scalability.
- Implemented a CI/CD pipeline using GitHub Actions to automate testing, building, and deployment processes, generating 6 hours of weekly time savings for the development team.

IT Intern, Manpower Demonstration Research Corp

July 2024 - August 2024

- Provided technical support for system, software, and hardware issues and successfully tracked, prioritized, and resolved 200+ support requests within defined SLAs using Ivanti ITSM and Active Directory.
- Performed maintenance on 50+ laptops by diagnosing issues and replacing faulty components, and supported the onboarding process for new hardware and applications, such as Dell Latitudes and iPads.

SELECT PROJECTS

Blackjack Lab

- Created a fullstack Blackjack training software tool that allows users to practice and improve their gameplay using Next.js.
- Integrated a PostgreSQL database hosted on Neon to store user data, track gameplay history, and persist customized settings across sessions, and designed a game review system that allows users to analyze past rounds, visualize decision accuracy, and refine strategies based on historical performance.

OnTheHouse

- Built and deployed a website that gathers and randomly selects user-inputted restaurant options and tracks results using Next.js, Vercel, and v0 AI.