

ELIZABETH STEIN

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PROFESSIONAL SUMMARY

Full-stack engineer and technical lead with 1+ years building production AI-integrated applications and managing multi-site web ecosystems. Currently leading development across 6+ enterprise sites while pursuing B.S. in Software Development (3.98 GPA, Dean's List). Specializes in React/Next.js architecture, OpenAI API integration, and building scalable full-stack solutions. Experienced in implementing comprehensive testing frameworks, optimizing workflows through automation, and delivering complex features under tight deadlines.

TECHNICAL EXPERTISE

Languages & Frameworks: JavaScript, TypeScript, React, Next.js, Java, Spring Boot, Python, Node.js

Frontend & Design: Tailwind CSS, Craft CMS, Twig, Figma, Responsive Design, Component Architecture, Canva, WordPress

AI & Integration: OpenAI GPT-4, Whisper API, Amazon Transcribe, Google AI Studio

Infrastructure: Firebase, Vercel, Docker, Git/GitHub, MySQL, MongoDB, Redis, Railway, Strapi

Leadership & Process: Agile/Scrum, Technical Mentorship, Architecture Planning, Workflow Automation

PROFESSIONAL EXPERIENCE

Design Team Lead & Software Engineer

September 2024 – Present

Flo Labs (formerly Flomad)

Leading technical strategy and development for a portfolio of 6 production sites serving AI/robotics ventures, educational programs, and research initiatives. Manage cross-functional team of 3–4 developers, WordPress specialists, and SEO interns.

Technical Leadership & Architecture:

- Architected and deployed complete redesign of Flo Labs web ecosystem (flobabs.international, flolabsrd.com, CAIPO.ai, FloStudios.ai, MoodChanger.ai) using React/Next.js stack with unified design system
- Led enterprise-level overhaul of AI Travel Planner from proof-of-concept to production platform, refactoring 100+ files and implementing scalable architecture
- Designed and implemented 22+ specialized AI prompt systems and 18+ AI functions for multi-modal travel planning (budget optimization, accessibility features, emergency assistance)
- Built comprehensive testing infrastructure with 270 frontend tests and 12 backend tests, establishing CI/CD best practices
- Started implementing Strapi CMS and Railway into our websites

Product Development & Integration:

- Developed AI Travel Chatbot integrating GPT-4, Whisper API, and Mapbox (then Google Maps) for real-time geolocation-aware recommendations with speech-to-text capabilities
- Implemented Firebase Authentication and user management system for mobile app access across multiple products
- Integrated WebSocket-driven real-time updates for responsive user experiences

Team & Process Management:

- Mentor and coordinate 3+ developers and designers, conducting code reviews and providing technical guidance
- Automated internal workflows with Zapier, increasing operational efficiency by ~40%
- Author technical documentation for onboarding, debugging, and platform scaling
- Collaborate with client stakeholders including Fuller Youth Institute and Bootcamp University on conversion optimization and technical strategy

Software Engineer

September 2025 – Present

Rocket Park

- Execute core version upgrades, plugin updates, and infrastructure improvements across multiple client Craft CMS sites
- Translate Figma designs into production-ready Craft templates using Twig, Tailwind CSS, and modular component architecture
- Design reusable component patterns that balance design consistency with content editor flexibility
- Collaborate with design and engineering teams to refine content models and improve CMS authoring workflows

Software Engineer

August 2024 – November 2024

Sirius

- Planned, designed, and helped in implementation of scheduling, payroll, and check-in features for Wisdom workforce mobile app (React Native)
- Improved time-tracking reliability and reduced user-reported issues through systematic testing and debugging

EDUCATION

Bachelor of Science in Information Technology

Specialization: Software Development / Concentration: Web Development

Capella University | Expected March 2026 | **GPA: 3.979/4.0**

Honors: Dean's List (All Quarters), Honors Pathway Certification

SELECTED PROJECTS

AI Travel Planner Enterprise Platform (Flo Labs) – Led full system redesign delivering enterprise-grade travel assistant with 22+ specialized AI prompts, WebSocket real-time updates, and 270+ automated tests

Flo Labs Web Ecosystem – Architected and deployed 6-site portfolio (flolabs.international, flolabsrd.com, CAIPO.ai, FloStudios.ai, MoodChanger.ai) using React/Next.js with unified design system

Web Accessibility Checker – Open-source TypeScript tool for automated WCAG compliance testing (MIT License, github.com/forbiddenlink/accessibility-checker)

Finance Quest – TypeScript financial education platform with interactive data visualization and personal finance management features

MindChain – My own project of a Redis-powered multi-agent AI debate engine with live fact-checking for real-time policy simulations

ExplainThisCode.ai – AI-powered developer tool deployed on Vercel for code explanation and refactoring

ADDITIONAL EXPERIENCE

Bartender | Hugo's Restaurant | 2013 – Present

Manage high-volume service environment (30–50 customers per shift) requiring rapid prioritization, stakeholder management, and composure under pressure.