

Anabel Sieber

Software Engineer

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GITHUB | LINKEDIN | PORTFOLIO

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY
COMPUTER SCIENCE MASTER'S OF SCIENCE

Present - August 2027
Remote

SOUTHERN NEW HAMPSHIRE UNIVERSITY
COMPUTER SCIENCE BACHELOR'S OF SCIENCE

October 2022 - August 2025
Remote

APP ACADEMY
FULL-STACK WEB DEVELOPMENT SOFTWARE ENGINEER CERTIFICATE

August 2021 - May 2022
Remote

EXPERIENCE

SOMOS | SOFTWARE DEVELOPER INTERN

Remote | June 2025 – August 2025

- Architected and developed a Model Context Protocol (MCP) server to provide LLMs with rich product data context, enabling enhanced data analysis capabilities and more intelligent interactions with company systems.
- Built scalable serverless infrastructure using AWS Lambda and Express.js/Node.js to handle real-time communication between AI systems and enterprise APIs, ensuring high availability and cost-effective scaling
- Implemented secure authentication and authorization using Auth0 to protect sensitive API communications and maintain compliance with enterprise security standards
- Designed and managed NoSQL database solutions with DynamoDB to store and retrieve communication logs, session data, and API interaction metadata with optimized performance
- Developed a frontend interface using React to provide interaction capabilities for the MPC server communications

V.TWO | CONTRACT SOFTWARE ENGINEER

Remote | February 2025 – June 2025

- Architected and implemented a modular React UI with Redux and Microsoft's FluentUI component library for an AI-powered legal document review platform
- Engineered seamless integration between frontend components and .NET APIs, enabling real-time access to vector-embedded documents stored in PostgreSQL and Azure Blob Storage
- Customized and extended FluentUI components to create a cohesive, enterprise-grade user experience aligned with Microsoft design principles
- Optimized application performance through strategic implementation of advanced React patterns, including lazy loading, code splitting, and memoization techniques (React.memo, useMemo, useCallback)
- Elevated platform accessibility to WCAG AA compliance by leveraging FluentUI's built-in accessibility features and implementing additional ARIA attributes, keyboard navigation, and screen reader compatibility
- Collaborated with cross-functional teams to define and refine API contracts, establishing a robust communication layer between frontend UI and .NET microservices
- Implemented comprehensive unit and integration testing using Jest and React Testing Library
- Led frontend architecture discussions that resulted in the adoption of performance-efficient component patterns across multiple product features

THE TURN | FREELANCE SOFTWARE DEVELOPER

Remote | August 2024 – Present

- Developed a full-stack web application using Next.js 15 and React 18, implementing server-side rendering for optimal performance and SEO

- Implemented secure authentication system using NextAuth.js with Prisma adapter, including user account management and role-based access control
- Designed and built an admin dashboard with comprehensive data visualization and management capabilities
- Integrated Stripe payment processing system with custom pricing tiers and subscription management
- Developed an automated email notification system using Resend API for booking confirmations and marketing communications
- Created a custom booking system with calendar integration using React Calendar for appointment scheduling
- Built and integrated a database layer using Prisma ORM with data migration and seeding capabilities
- Deployed and maintained production environment on Digital Ocean with CI/CD pipeline implementation
- Implemented comprehensive state management architecture using Redux Toolkit and Redux Persist for seamless user experiences
- Established consistent code quality through ESLint, Prettier, and Husky pre-commit hooks with comprehensive linting rules
- Designed responsive UI components with Material UI and custom SCSS styling for an enhanced user experience
- Created form validation and submission handling using Formik and Yup for robust data integrity

CISCO MERAKI | FULL-STACK SOFTWARE ENGINEERING INTERN

Remote | September 2023 – July 2024

- Created a coherent design system including a collection of styled, accessible, and reusable React components, promoting consistent UI design and enhancing productivity for multiple engineering teams across Cisco
- Built a command-line interface tool for page templating using npx, enabling swift generation of personalized layouts and pages, expediting development with the Magnetic library
- Established automated end-to-end testing in the CI pipeline to verify component functionality and reliability pre-deployment, leading to reduced production issues
- Enforced stringent testing procedures encompassing unit, integration, and VR tests to uphold superior code quality
- Developed a design system/UI library utilized by Cisco engineers for platforms such as the Meraki dashboard to help customers manage devices and settings.
- Introduced design tokens for efficient theming options, including light and dark modes, simplifying integration and enhancing the flexibility and scalability of the design system.
- Developed advanced theming functionalities for Dashboard, including a colorblind assist mode, enriching accessibility for ~30K users.
- Enhanced component features to provide a user-friendly experience with sophisticated functionalities.
- Boosted Magnetic library compatibility to cater to three React versions, ensuring smooth utilization across diverse team upgrade timelines, and minimizing disruptions.
- Championed the improvement of library documentation, resulting in increased adoption and improved developer user experience.

APP ACADEMY | INSTRUCTIONAL ASSISTANT

Remote | October 2022 – August 2023

- Delivered comprehensive JavaScript training to cohorts averaging 100 students, elucidating advanced concepts such as the call stack, event loop, promises, scope, and variable hoisting
- Presented lectures on complex data structures and algorithms, equipping students with robust problem-solving skills for technical interviews and industry challenges
- Mastered JavaScript language and significantly enhanced problem-solving abilities through teaching and curriculum development.
- Fostered a deeper understanding of data types, closures, callbacks, IIFEs, and memory allocation through interactive instruction.

SKILLS

PROGRAMMING LANGUAGES	JavaScript, TypeScript, Python, C++, C, Java, HTML, CSS
LIBRARIES/FRAMEWORKS	React, Redux, Django, Flask, Tailwind, MaterialUI, SQLAlchemy, Sequelize, Prisma, Resend, Nextjs, Nodejs, Expressjs, Angular, Storybook, Styled Components, Webpack
TOOLS / PLATFORMS	Eclipse, Git, Docker, Linux, Jira, Github, Gitlab, AWS, Jest, Playwright, Postman, CI/CD, Restful APIs, Stripe Integration, Lambda, AI/ML, LLM, Cypress
DATABASES	PostgreSQL, MongoDB, SQLite, SQL, Firebase, DynamoDB, MySQL