

# ALANDIS SEALS

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Dynamic iOS Developer with hands-on experience in mobile app development, full-stack web development, data engineering and cloud technologies. Skilled in Swift, SwiftUI, and Xcode for iOS applications, alongside React and Node.js for web projects. AWS Certified Cloud Practitioner with foundational expertise in deploying and managing applications on cloud infrastructure. I am committed to creating seamless, efficient, and engaging user experiences across mobile and web platforms.

## STRENGTHS AND EXPERTISE

### iOS Development

Swift, SwiftUI, Xcode  
MVVM, MVC, MV Architecture  
RESTful API Integration  
UI/UX Collaboration  
Apple's Human Interface  
Guidelines

### Full Stack/Web Development

HTML, CSS, JavaScript, React, Node.js,  
Express  
MongoDB, SQL  
Responsive Design, Git Version Control

### Cloud & AWS

AWS Certified Solution Architecture  
Experience with EC2, S3  
Deployment  
Serverless Architectures

## PROFESSIONAL EXPERIENCE

### Ed Farm

*iOS Developer/Software Engineer*

**Birmingham, AL**

*September 2022 - Present*

- Utilized Swift and SwiftUI to build native iOS applications, aligning with Apple's Human Interface Guidelines to ensure optimal user experience, resulting in a 20% increase in user engagement.
- Developed modular and reusable components using MVVM architecture to enhance code organization and maintainability, reducing feature development time by 25%
- Optimized data management and UI rendering to streamline app functionality, achieving a 35% reduction in load times and a smoother user experience.
- Led the design and implementation of web projects using React and Node.js, collaborating with cross-functional teams to create a responsive and cohesive user interface, which improved project completion speed by 15%.
- Integrated RESTful APIs for seamless communication between iOS and web applications, ensuring real-time data synchronization between front-end and back-end services and improving app stability.
- Applied AWS Cloud Practitioner skills to deploy and manage cloud infrastructure using EC2 and S3, enhancing app scalability and reliability, which supported a 40% growth in active users.
- Instructed over 300 adult learners in iOS development and digital skills, covering foundational programming, app design, and essential digital literacy for career advancement.

### Ed Farm

*Jr. iOS Developer*

**Birmingham, AL**

*August 2021 - September 2022*

- Demonstrate ongoing growth of knowledge in areas including server side API development, front end web development, iOS, third party libraries, Design Patterns, and software best practices
- Integrated API data handling processes to streamline data flow between front-end and back-end services, improving data retrieval times by 30%.
- Participated in code reviews and applied feedback to improve code quality, helping to reduce bugs and improve app reliability in subsequent releases.
- Utilized Git version control to manage and document code changes, facilitating a more organized workflow and better team collaboration.
- Engaged in QA testing and troubleshooting processes to identify and resolve issues, leading to higher functionality and positive user feedback post-launch.
- Instructed middle and high school students in Swift programming (UIKit and SwiftUI) as part of an educational initiative, guiding them through app development fundamentals.
- Mentored students for the ALTEC Innovation Challenge, where their Swift-based app projects earned them first place, showcasing their skills and creativity in mobile development.

## Scout

Nashville, TN

iOS Developer

January 2021 - September 2021

- Assisted in the development and testing of iOS applications using Swift and Xcode, contributing to feature enhancements and debugging under senior developer guidance.
- Collaborated with design and development teams to implement user interface (UI) elements that aligned with Apple's Human Interface Guidelines, ensuring a high-quality user experience.
- Supported API integration by handling data requests and responses, and optimizing data flow between front-end and back-end services.
- Utilized version control (Git) to manage and document code updates, maintaining an organized development workflow.
- Participated in code reviews, implementing feedback to improve code quality and enhance understanding of best practices in iOS development.

## Hudson Middle School

Birmingham, AL

Tier 2 Helpdesk Technician

October 2020 - January 2021

- Provided advanced technical support for faculty, staff, and students, diagnosing and resolving hardware and software issues across Windows, macOS, and mobile devices.
- Performed system installations, updates, and configurations for desktops, laptops, and networked devices, ensuring secure and reliable access for over 500 users.
- Conducted hardware repairs and replacements, including hard drives, memory, and peripherals, minimizing device downtime and improving overall productivity.
- Trained end-users on basic troubleshooting techniques and digital literacy, reducing helpdesk ticket volume by 20% through proactive education.
- Earned CompTIA A+ certification during the role, demonstrating a commitment to professional growth and enhancing technical troubleshooting skills.

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## PROJECTS

### EDFARM Learn

Maintained a lean Platform-as-a-Service to support educational applications, managing the backend with Express and Node.js and optimizing SQL databases for efficient data storage and retrieval. Leveraged AWS Lambda for scalable, event-driven backend operations and AWS CloudFront for fast content delivery across regions. Also Maintain a responsive front-end in React, enhancing the platform's usability and enabling Ed Farm to deploy learning resources quickly and reliably.

### Movement Website | Lead Developer

I and developed the website for the Movement App using a modern tech stack including React, Astro, Node.js, Express, and Payload CMS. For the frontend, I utilized React to create dynamic, component-based user interfaces and integrated Astro to improve performance through a mix of static and dynamic content. On the backend, I built a scalable API using Node.js and Express, handling data requests and ensuring smooth communication between the frontend and content layers. I also integrated Payload CMS, a headless content management system, to allow non-technical users to easily update and maintain historical narratives and other dynamic content, making the website both user-friendly and scalable.

### Movement iOS App

I contributed to the development of the Movement App using SwiftUI for building a modern, declarative user interface, and Combine for managing asynchronous events and data flow. I implemented MVVM architecture to separate concerns and enhance code maintainability, while incorporating Redux for state management to handle complex app states efficiently. Additionally, I integrated Strapi, a headless CMS, to manage dynamic content such as historical data, ensuring seamless content updates and integration with the app.

### EDfarm Kiosk | Lead Developer

I developed the EdFarm Kiosk App using SwiftUI to create a seamless, interactive user interface, ensuring a responsive and modern design. The app integrates Strapi, a headless CMS, to manage and deliver dynamic content efficiently. I utilized GraphQL for querying the data, providing optimized and flexible data retrieval that ensures the app only fetches the necessary information.

## SCOUT

I contributed to the development of the SCOUT App using UIKit to create an intuitive, user-friendly interface tailored for school teachers. The app was designed to streamline classroom management, providing teachers with tools to track student progress, manage schedules, and facilitate communication. By leveraging UIKit, I ensured that the app had a smooth, responsive design that adapted well to various screen sizes, offering a seamless experience for teachers.