

ALANDIS SEALS

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PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience building full-stack web applications and cross-platform mobile apps. Proficient in React, React Native, TypeScript, Node.js, Python, and Swift with hands-on cloud infrastructure experience across AWS (Lambda, EC2, S3, CloudFront, API Gateway, DynamoDB) and Cloudflare. AWS Solutions Architect Associate certified. Experienced in designing scalable APIs, implementing authentication systems, building CI/CD pipelines with Terraform and GitHub Actions, and leading cross-functional engineering teams. Passionate about shipping reliable, user-focused software.

TECHNICAL SKILLS

languages:	TypeScript, JavaScript, Python, Swift, SQL, HTML, CSS
frontend:	React, React Native, SwiftUI, UIKit, TanStack, Tailwind CSS, Zod, Astro, Responsive Design
backend:	Node.js, Express, Supabase, Mastra, Strapi, Payload CMS, GraphQL, REST APIs
cloud_devops:	AWS (Lambda, EC2, S3, CloudFront, API Gateway, Route 53, DynamoDB), Terraform, Docker, GitHub Actions, Cloudflare
databases:	PostgreSQL, MongoDB, DynamoDB, Supabase, SQL
tools:	Git, VS Code, Xcode, MVVM/MVC Architecture, CI/CD Pipelines, Agile/Scrum

PROFESSIONAL EXPERIENCE

Software Engineer | Ed Farm

Birmingham, AL
September 2022 – Present

- Architect and develop full-stack web and cross-platform mobile applications using React, React Native, TypeScript, Node.js, Swift, and SwiftUI, serving educational platforms used by hundreds of learners and community members.
- Led development of the SPACES web app — a gamified learning platform — building authentication, monitoring systems, and file/image storage using TypeScript, React, TanStack, Supabase, and Mastra, deployed on Cloudflare.
- Built the onboarding feature for the SPACES platform, guiding new users through setup and orientation to improve activation rates and reduce time-to-value for students and community leads.
- Designed and implemented AI guardrails for the SPACES platform, creating custom safety processors to ensure responsible AI interactions within the learning environment.
- Built modular, reusable components using MVVM architecture in SwiftUI, reducing feature development time by 25% and improving code maintainability across the iOS codebase.
- Deployed and managed cloud infrastructure using AWS EC2, S3, Lambda, and CloudFront, supporting a 40% growth in active users while maintaining high availability.
- Integrated RESTful APIs for real-time data synchronization between iOS and web applications, improving app stability and cross-platform data consistency.
- Instructed 300+ adult learners in iOS development and digital skills, covering programming fundamentals, app design, and career-focused digital literacy.

Jr. iOS Developer | Ed Farm

Birmingham, AL
August 2021 – September 2022

- Built and shipped iOS features using Swift and Xcode, integrating API data handling that improved data retrieval times by 30% between front-end and back-end services.
- Participated in code reviews and applied feedback to improve code quality, reducing bugs and improving app reliability across subsequent releases.
- Managed code changes with Git version control, maintaining organized workflows and enabling smooth team collaboration.
- Mentored students for the ALTEC Innovation Challenge, where their Swift-based app projects earned first place.

iOS Developer | Scout

Nashville, TN
January 2021 – September 2021

- Developed and tested iOS applications using Swift and Xcode, contributing to feature enhancements and debugging under senior developer guidance.

- Implemented UI elements aligned with Apple's Human Interface Guidelines, collaborating with design and development teams to ensure high-quality user experiences.
- Supported API integration by handling data requests and optimizing data flow between front-end and back-end services.

PROJECTS

SPACES Web App | TypeScript, React, TanStack, Zod, Tailwind CSS, Node.js, Mastra, Supabase, Cloudflare

- Built a gamified learning and community platform that empowers students and visitors to explore equipment, complete skill-building missions, and build technology confidence in Ed Farm SPACES (school media centers, rural classrooms, community centers).
- Engineered authentication, monitoring, file/image storage, onboarding flows, and AI guardrails with custom Mastra processors, deployed on Cloudflare.

Cloud Resume Challenge | React, Node.js, AWS S3, Lambda, API Gateway, Route 53, CloudFront, DynamoDB, Terraform, GitHub Actions

- Built a full-stack serverless resume site with a React frontend hosted on S3/CloudFront and a visitor counter API powered by Lambda, API Gateway, and DynamoDB.
- Provisioned all AWS infrastructure using Terraform (IaC) and automated deployments with a GitHub Actions CI/CD pipeline.

EdFarm Learn Platform | React, Node.js, Express, SQL, AWS Lambda, CloudFront

- Maintained a Platform-as-a-Service supporting educational applications, managing the backend with Express/Node.js and optimizing SQL databases for efficient data storage and retrieval.

Movement Website | React, Astro, Node.js, Express, Payload CMS

- Architected and built a performant marketing site using React and Astro for static/dynamic content, with a Node.js/Express backend and Payload CMS for non-technical content management.

EdFarm Kiosk App | SwiftUI, Strapi, GraphQL

- Developed an interactive kiosk app with SwiftUI, integrating Strapi headless CMS with GraphQL for optimized, flexible data retrieval of dynamic content.

CERTIFICATIONS

AWS Solutions Architect – Associate | AWS Cloud Practitioner | CompTIA A+

EDUCATION

Full Stack Web Development | Innovate Birmingham

*Birmingham, AL
2020*

14-week intensive program covering full-stack web development (HTML, CSS, JavaScript, React, Node.js, databases).