

DEREK MERCEDES

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FULL-STACK SOFTWARE ENGINEER

Software Engineer with experience designing, building, and deploying full-stack web applications using JavaScript, React, Node.js, and AWS. Proven ability to deliver end-to-end solutions independently, collaborate across teams, and translate business requirements into scalable technical implementations. Strong background in REST APIs, cloud architecture, accessibility, and modern development workflows utilizing GitHub and AI-assisted tooling.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python
Frontend	React, Next.js, HTML5, CSS3, TailwindCSS
Backend	Express, REST APIs
Cloud	DynamoDB, Lambda, API Gateway, S3, CloudFront, SAM
Development:	GitHub, GitHub Actions, Cursor, AI-assisted development workflows
Testing/Deployment	Jest, Playwright, Vercel, browser compatibility, debugging

EXPERIENCE

Implementation Developer, Current

AudioEye, Inc.

- Developed custom JavaScript accessibility solutions for enterprise websites, improving accessibility compliance to over 95% WAI compliance across multiple client implementations. .
- Built and enhanced internal engineering tools using modern JavaScript practices, reducing manual effort for recurring development and support workflows.
- Engineered cross-browser solutions by identifying compatibility issues and implementing standardized fixes, improving reliability across supported environments.
- Collaborated with QA and product stakeholders to validate functionality, troubleshoot defects, and ensure successful production releases.
- Authored technical documentation that improved onboarding efficiency and knowledge sharing across teams.

Full Stack Software Engineer, Denver CO

Freelance

- Designed and delivered full-stack web applications using React, Node.js, MongoDB, and AWS by gathering requirements directly from clients and owning implementation through deployment.
- Built REST APIs and backend services that supported scalable application functionality while maintaining clean and reusable architecture.
- Led cloud migrations and deployment initiatives, improving maintainability and operational efficiency .
- Integrated third-party APIs and external services to extend application functionality while maintaining secure and reliable data flows.

SELECTED PROJECTS

SnapSwap | React, AWS Lambda, DynamoDB, API Gateway, S3

- Built a serverless image-sharing platform using React and AWS services, enabling users to upload, store, and retrieve media through a scalable cloud architecture.
- Implemented event-driven processing using DynamoDB Streams and Lambda functions, automating backend workflows and reducing manual operational requirements.
- Designed infrastructure using AWS SAM and API Gateway, streamlining deployment and environment management.

Ebb | React, TypeScript, Node.js, MongoDB

- Developed a full-stack journaling application using React, TypeScript, Express, and MongoDB, providing users with secure mental-state tracking and historical insights.
- Implemented authentication, protected routes, and user-specific data management to ensure secure access and data integrity.
- Designed responsive user experiences using Tailwind UI, improving usability across desktop and mobile devices.

CREDENTIALS

AWS Certified Developer - Amazon

Bachelor of Science (Computer Science - Game Development) - Full Sail University