

Kohl I. Byrd

Covington, Louisiana | (985) 276-0917 | kohlbyrdvlogs@gmail.com | github.com/Limeslices

SUMMARY

Full-stack developer specializing in React, TypeScript, Python, and modern AI integrations. Proven track record of delivering responsive UIs with Next.js and Tailwind, architecting secure payment flows, and implementing LLM-driven customer outreach. Passionate about collaborating in agile teams to deliver low-defect software increments on time.

SKILLS

- **Frontend Development:** React, Tailwind, Next.js, GraphQL, HTML, CSS
- **Backend Development:** Express, Typescript, Prisma, LLM RAG Systems, SQL, Python, Java, BullMQ, FFmpeg, Web Scraping, Node.js, RESTful APIs
- **DevOps & Cloud:** Docker, Kubernetes, AWS, GCP, Git, Agile Development
- **Testing & Design Tools:** Playwright, Figma

WORK EXPERIENCE

Revley

Sep 2025 - Present

Full-stack Developer (Contractor)

- Built a custom Shopify app leveraging React and RESTful APIs to deliver a fully branded checkout experience for Shopify merchants, designing and implementing a responsive, conversion-focused checkout UI for storefronts.
- Developed Shopify GraphQL integrations to efficiently query and synchronize store/customer/cart data, improving performance and reliability of checkout-related workflows.
- Architected and implemented a PCI-compliant payment flow using Stripe and PayPal, ensuring secure tokenization of payments and leveraging Git version control to maintain code integrity and compliance.

PointPal (24Labs)

Jun 2025 - Sep 2025

Full-stack Developer and Team Leader

- Orchestrated development of an undetected large-scale web scraping system using Python and Playwright, following agile development methodologies.
- Engineered the frontend with Next.js (App Router), React, and Tailwind, ensuring responsive UI design and collaborating via Git.
- Developed a flight search platform optimized for credit-card points and mileage redemption.

Revana (24Labs)

Jun 2024 - Jun 2025

Full-stack Developer

- Developed a Shopify app featuring AI voice agents to recover abandoned carts using Next.js, React, and Tailwind.
- Implemented a robust LLM system with tool-calling for AI-driven customer outreach.
- Integrated with the Shopify API and utilized GraphQL for efficient store data retrieval and authentication.
- Contributed to building a real-time LLM voice system in Python and managed workflow stages with BullMQ.

Musicfy (24Labs)

Aug 2023 - Jun 2024

Full-stack Developer

- Engineered core features for an AI music generation platform.
- Implemented the frontend with Next.js, TypeScript, and Tailwind, ensuring a responsive and intuitive user experience.
- Designed and deployed a scalable inference system for text-to-music models using Python, FastAPI, and serverless GPU infrastructure.
- Developed advanced audio processing and editing features utilizing FFmpeg.

Piloted

May 2023 - Aug 2023

Full-stack Developer and Team Leader (Contractor)

- Led development of an AI-powered HR platform featuring document retrieval and Q&A capabilities.
- Constructed a robust RAG pipeline incorporating summarization, vectorization, embedding, and retrieval for LLM chat.
- Built the web application with Next.js, TypeScript, and Sass, ensuring seamless frontend and backend integration.
- Coordinated product direction and architecture to align technical delivery with project objectives.

Fetchit.ai

Dec 2022 - May 2023

Full-stack Developer and Product Designer (Contractor)

- Designed and developed an Airbnb analytics platform for predicting property performance.
- Engineered the frontend with Next.js and Sass, integrating PostgreSQL for robust data management.
- Directed product design and UX to align with user-centric business goals.
- Led a small team, ensuring effective technical delivery and sound architectural decisions.

Freelance

Dec 2020 - Dec 2022

Full-stack Developer and Product Designer

- Fixed a Squarespace plugin that broke with an update to the platform. I was able to get the plugin back running for tens of thousands of users.
- Created marketing sites with funnels to maximize conversions. This helped a fitness blog convert their readers to paying customers.
- Worked with multiple companies on third-party integrations into their core products.

EDUCATION

Southeastern Louisiana University

Aug 2021 - May 2025

Bachelor of Science, Computer Science (Concentration in Data Science)

PROJECTS

Rivetto

Dec 2024 - May 2025

- Built a short-form video editing platform that transformed long-form clips into auto-generated short-form content.
- Developed a custom web-based timeline video editor using Next.js, Tailwind, and ShadCN UI for intuitive editing.
- Implemented a YouTube web scraping system to source and process video content.