

Josh Levy – Senior Software Engineer

Menlo Park, CA | 972-822-4555 | me@joshlevy.io | LinkedIn: [jml312](#) | GitHub: [jml312](#) | Portfolio: [joshlevy.io](#)

WORK EXPERIENCE

AppLovin – *Senior Software Engineer* | Palo Alto, CA | 07/2025 – Present

- Built an API leveraging **Playwright-based checks** to automatically screen uploaded HTML ad assets for behavioral violations (e.g., autoplay, unapproved external requests); blocked **20,000+** non-compliant uploads in Ads Manager and surfaced violation reasons in the UI.
- Shipped a **Playable Analytics API** with an Ads Manager dashboard adopted by **350+** advertisers; built the **Scala** reporting pipeline, flagged integrations for invalid event ordering or inconsistent counts, and authored **API docs**, ultimately lifting the install-rate model by **3 bps**.
- Mentored a summer intern to modernize the CTA tooltip in our playable ads, contributing to a **1.4%** margin lift.

Capital One – *Software Engineer (Full Stack)* | Boston, MA | 08/2023 – 04/2025

- Designed and deployed a **React.js** dashboard for team leads to track and **remediate non-compliant websites** lacking SSO. Integrated an **AWS Lambda function** to automate email notifications, leading to **300+** successful remediations.
- Engineered a **Python migration** to backfill **10,000+ general ledger records** in **DynamoDB** with submission metadata, improving traceability and reducing failure resolution time by **18%**.

PROJECTS

Soundcheck | GitHub: github.com/jml312/soundcheck

- Developed and launched a **Spotify-integrated music-sharing platform** with a **Next.js** website and **React Native** app, both powered by **Sanity.io**, helping **200+** users discover music and visualize listening insights through word clouds.

Portfolio Dashboard | Dashboard: [dashboard.joshlevy.io](#)

- Built a real-time **web analytics dashboard** for [joshlevy.io](#) using **Next.js**, **Sanity.io**, and **Mantine UI**, tracking visitor count, location, and session duration for user engagement insights.

EDUCATION

Rice University – *M.S. Computer Science, Machine Learning (Online)* | 06/2024 – Expected 08/2026

Case Western Reserve University – *B.S. Computer Science* | 08/2019 – 05/2023 | Division III Men's Basketball

SKILLS

Front-End: React.js, Next.js, React Native, Svelte.js, TypeScript, HTML, CSS, Tailwind, Redux, Accessibility Standards, Responsive Design, Jest, Cypress, Mocha, Chai, Storybook, Selenium, Vite, Framer Motion, Three.js, Figma

Back-End: Node.js (Express.js), Django, Flask, Microservices, REST APIs, GraphQL, SQL, NoSQL (DynamoDB, MongoDB)

Programming & Tools: Python, JavaScript, Java, Rust, C++, Git, Docker, Jenkins, AWS (Lambda, S3, API Gateway), Spark

CERTIFICATIONS

AWS Certified Solutions Architect – Associate | Amazon Web Services (AWS) | 12/2023 – 12/2026