

Josh Levy

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SUMMARY

Full-stack developer with expertise in **React.js**, **Python**, **RESTful microservices**, **AWS**, **PostgreSQL** and **DynamoDB**. Experienced in creating responsive, accessible interfaces and scalable back-end systems while collaborating within **Agile** teams to deliver high-performance web applications.

SKILLS

Front-End Development: HTML, CSS, JavaScript, TypeScript, Accessibility Standards, React.js, Next.js, Redux, React Native, Angular.js, Tailwind, Figma, Framer Motion, Three.js, Webpack, Storybook, Jest, Cypress, Mocha, Selenium

Back-End Development: Python, PostgreSQL, DynamoDB, MongoDB, RESTful Services, GraphQL, AWS (Lambda, API Gateway, RDS, S3, EC2, CloudWatch), Node.js, Django, Flask, Express.js, JUnit, Behave

Programming Languages: Python, JavaScript, Java, Rust, C++

DevOps & Tools: Git, Docker, Jenkins, Bogie, AWS (IAM, CloudTrail, ECS, Route 53, CloudWatch)

WORK EXPERIENCE

Capital One – Software Engineer | Boston, MA | 08/2023 - Present

- Developed a **React.js** interface for the **Dataset Management System (DMS)**, streamlining dataset onboarding and validation processes, which improved user efficiency by **30%** by reducing manual steps.
- Built an **AWS Lambda function** with an accompanying **Python RESTful API** to automate loading Capital One's SSO data into **Snowflake**, eliminating manual data loading tasks and **saving 5 hours per week**.
- Developed a **Python-based migration script** for **DynamoDB**, reducing runtime by **90%** through parallel processing and increasing data handling efficiency and error debugging.
- Refactored a **Java-based RESTful API** to optimize data transmission to the general ledger, reducing operational costs by **10%** and enhancing frontend load times by **20%** through more efficient data retrieval.

Case Western Reserve University – Web Development Teaching Assistant | Cleveland, OH | 01/2023 - 05/2023

- Delivered weekly two-hour **web development tutoring** sessions and collaborated with TAs to grade **75+ assignments and exams**, boosting average student grades by **15%** and ensuring timely feedback.

Capital One – Software Engineer Intern | Boston, MA | 06/2022 - 08/2022

- Developed an **insider trading monitoring dashboard** using **React.js**, **Python** and **SQL**, improving investigative efficiency by **40%** and ensuring compliance with regulatory standards and data integrity.
- Applied advanced **SQL indexing** techniques, decreasing aggregation query times by **10 seconds**, resulting in a **30%** improvement in backend query performance and system responsiveness.

Digital Yalo – Software Engineer Intern | Houston, TX | 06/2021 - 08/2021

- Deployed 20+ features on **Primrose School's website** using **Django**, refining UX and increasing site visits by **22%**.
- Refactored Django-based API endpoints for the site, reducing page load times by **~6s**.

PROJECTS

Forecast | GitHub: github.com/jml312/forecast | 06/2024 - Present

- Engineered a weather-themed **homework tracker** using **React Native**, **Supabase**, and **Tailwind CSS**, enhancing user engagement by reflecting real-time academic performance visually.

Portfolio Dashboard | Dashboard: dashboard.joshlevy.io | 12/2023 - 05/2024

- Designed and implemented a comprehensive **web dashboard** using **Next.js**, **Sanity.io**, and **Mantine UI**, displaying real-time analytics and insights such as visitor count, location, and session duration.

Apartments Tracker | GitHub: github.com/jml312/check-equity-apartments | 01/2024 - 02/2024

- Automated the monitoring and reporting of daily changes in **available apartments**, sending email reports on price and availability to users, using **Python** and **Flask**.

Soundcheck | GitHub: github.com/jml312/soundcheck | 01/2023 - 05/2023

- Created a platform for **music sharing** with a focus on user experience and scalability, using **Next.js** and **Sanity.io**, resulting in a seamless interface for hundreds of users.

Davinia | GitHub: davinia.vercel.app | 01/2022 - 05/2022

- Crafted a **portfolio** for a singer/actress using **Next.js**, **Tailwind CSS**, and **Sanity.io**.

EDUCATION

Master of Computer Science | Rice University | Expected Graduation: 05/2027

Relevant Coursework: Databases, Machine Learning, Deep Learning, Natural Language Processing, Software Engineering

Bachelor of Science in Computer Science | Case Western Reserve University | 08/2019 - 05/2023 | GPA: 3.72

Relevant Coursework: Web Development, Database Systems, Software Craftsmanship, Agile Development, Full-Stack Development

Achievements: Received academic honors each semester, reflecting consistent high performance. Played Division III basketball, demonstrating teamwork and leadership skills.

CERTIFICATIONS

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

RunMyJobs Automation Developer – Specialist | Redwood Software | 04/2024 - 04/2027

VOLUNTEERING & LEADERSHIP

Capital One Coders – Mentor | 11/2023 - 07/2024

- Empowered over 50 underprivileged middle school students to learn HTML and CSS over a 10-week program.

Hill House – Basketball Coach | 01/2024 - 02/2024

- Coached underserved girls (ages 9-12) in a community center program over an 8-week season.

CodePath – Resume & Interview Preparation Coach | 08/2023 - 12/2023

- Delivered detailed resume feedback and conducted technical mock interviews for 12 university students through 1-hour Zoom sessions.