
Josh Levy

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Passionate and driven Software Engineer with a focus on full-stack development. Experienced in React.js, Python, AWS, and Java. Dedicated to continuous learning and committed to creating robust, innovative, and scalable software applications.

WORK EXPERIENCE

Software Engineer

Capital One

Boston, MA • 08/2023 – Present

- Architected a migration script using Python and DynamoDB for 10,000+ records, reducing run time by 90% through parallel processing
- Refactored approval service for Finance Platform workflows using Java, cutting operational costs by 30%
- Oversaw the identification and decommissioning of unused AWS resources, resulting in monthly savings of \$6,000
- Currently participating in an 18-month rotational program across the Finance Tech and Cybersecurity divisions

Web Development Teaching Assistant

Case Western Reserve University

Cleveland, OH • 01/2023 – 05/2023

- Delivered weekly two-hour web development tutoring sessions, boosting students' average grades by 15%
- Collaborated with fellow Teaching Assistants to efficiently grade 75+ assignments and exams weekly, ensuring consistent and timely feedback for students

Software Engineer Intern

Capital One

Boston, MA • 06/2022 – 08/2022

- Developed an insider trading monitoring system for the Regulatory Team, integrating Slack, Zoom, and email channels, leading to a 40% reduction in investigation time
- Applied SQL indexing techniques on the backend, decreasing aggregation query times by 10 seconds, causing a 30% improvement in query performance
- Engineered a dynamic React.js frontend, optimizing key page performance and achieving a 12% faster load time

Software Engineer Intern

Digital Yalo

Houston, TX • 06/2021 – 08/2021

- Deployed over 20 client-requested features on Primrose School's website using Django, enhancing user experience and driving a 22% increase in site visits
- Authored comprehensive documentation to ensure software sustainability and ease of future maintenance

SKILLS

Front End: HTML, CSS, Tailwind, JavaScript, TypeScript, React.js, React Native, Angular.js, Vue.js, Svelte.js, Django, Flask, Figma

Back End: AWS, SQL, Node.js, REST, GraphQL, MongoDB, Firebase, Supabase, Prisma, Stripe, Sanity

Programming: Python, Java, R, Git, Docker, Jenkins, BASH, C++, MATLAB

Testing: Cypress, Jest, JUnit, Behave, Storybook, Selenium, Playwright, Mocha

EDUCATION

Master of Computer Science

Rice University

04/2024 - 08/2027

Relevant coursework: Databases, Machine Learning, Deep Learning, Natural Language Processing

Bachelor of Science in Computer Science

Case Western Reserve University • GPA: 3.72

08/2019 - 05/2023

Relevant coursework: Web Development, Database Systems, Software Craftsmanship

- Division III Basketball Athlete

PROJECTS

Forecast

06/2024 - 09/2024

Developed a homework tracker app with weather themes reflecting grades, such as an 'A' displaying as sunny, using React Native, Tailwind CSS and Supabase

Soundcheck!

01/2023 - 05/2023

Created a platform to discover and share Spotify music with friends using Next.js, Mantine UI, and Sanity.io

Davinia

01/2022 - 05/2022

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

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

12/2023 - 12/2026

Amazon Web Services (AWS)

RunMyJobs Automation Developer – Specialist

04/2024 - 04/2027

Redwood Software

VOLUNTEERING & LEADERSHIP

Capital One Coders

11/2023 - 07/2024

Mentor

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

CodePath

08/2023 - 12/2023

Resume & Interview Preparation Coach

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