Josh Levy

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SUMMARY

Results oriented Software Engineer with expertise in full-stack development, specializing in React.js, Python, and JavaScript. Proven ability to deliver scalable, secure, and maintainable software solutions. Experienced in optimizing performance, reducing operational costs, and driving projects from conception to completion. Strong collaborator with a focus on user centric product development, coding best practices, and compliance with industry standards. Committed to continuous professional growth and mentoring in fast paced, innovative environments.

SKILLS

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

Back-End Development: AWS (DynamoDB, RDS, S3, Lambda, API Gateway, SQS, SNS, EC2), SQL, Node.js, REST, GraphQL, MongoDB, Firebase, Supabase, Prisma, Stripe, Sanity.io, Django, Flask

Programming Languages: JavaScript, Python, Java, C++, R, BASH, MATLAB

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

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

WORK EXPERIENCE

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

• Developed a Python-based migration script for DynamoDB, reducing runtime by 90% through parallel processing and increasing data handling efficiency.

• Refactored finance workflows in Java, achieving a 30% reduction in operational costs while ensuring compliance with security standards and optimizing code quality.

• Led AWS resource optimization, identifying and decommissioning unused services, resulting in $6,000 monthly cost savings and improved system performance.

Case Western Reserve University – Web Development Teaching Assistant | 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.

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

• Developed an insider trading monitoring system 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 over 20 client requested features on Primrose School's website using Django, enhancing user experience and driving a 22% increase in site visits.

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.

EDUCATION

Master of Computer Science | Rice University | Expected Graduation: 08/2027

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.

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.