

Katrina “Kat” Lopez

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Experience

IBM 2023 – Present
Software Engineer and UI/UX Designer – Global Sales *Cambridge, Massachusetts*

- Develop features and web pages in ReactJS for IBM Training for over 1M users.
- Build RESTful APIs using Node.js and IBM Db2 to support internal and external single-page applications (SPAs).
- Redesign IBM Training user interfaces in Figma to better align with IBM Carbon Design System.
- Serve as subject matter expert to developers to translate business requirements into ReactJS components.
- Collaborate with designers and product managers to deliver tailored solutions for clients.
- Migrated data of 2,000+ courses and other educational content from the Security Learning Academy (SLA).
- Managed a group of seven early-career software engineers for the IBM Developer Jumpstart program.

IBM 2021 – 2023
Software Engineer and UI/UX Designer – Security Learning Services *Cambridge, Massachusetts*

- Designed and implemented new features in PHP, MySQL, and jQuery to maintain internal tools for the SLA.
- Consolidated data from 3,000+ courses using PHP and PostgreSQL to improve operational visibility.
- Enhanced workstreams for content developers and improved client experience for 3,000+ monthly active users.
- Led a group of interns to create bi-weekly newsletters distributed to 2,000+ interns globally.

TCW Group Summer 2019
Information Technology Intern *Los Angeles, California*

- Deployed client relationship manager UI from Salesforce Classic to Salesforce Lightning Experience.
- Presented novel user interface proof of concepts to TCW directors and senior leadership.

Education

Rensselaer Polytechnic Institute *Troy, New York*
Master of Science in information technology

- Member of Gamma Nu Eta

Rensselaer Polytechnic Institute *Troy, New York*
Bachelor of Science in information technology and web science

- Graduated *Cum Laude*
- Member of Division III Varsity Women’s Swim and Dive Team

Skills

Languages and frameworks: React, JavaScript, Node.js, Express.js, PHP, Python, MySQL, IBM Db2, PostgreSQL, MongoDB, HTML5, CSS, Sass

Tools: Visual Studio Code, Git, Figma, Adobe XD, IBM Carbon Design System, Moodle, Nitro Studio, Jira, Trello

Certifications: [How To Design for Accessibility: for UX Designers \(WCAG 2.2\)](#), [IBM Agile Explorer](#), [IBM Enterprise Design Thinking Practitioner](#)