Katrina "Kat" Lopez

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Experience

IBM | Software Engineer | Cambridge, Massachusetts   2021 – Present

- Product owner for an internal portal maintaining [Security Learning Academy](https://www.example.com) (SLA) content.
    - Program new features using PHP, MySQL, and jQuery.
    - Debug and provide product support to ensure seamless functionality for end-users.
    - Design and implement new user interfaces (UI) using Mustache and Bootstrap.

  Outcome: *Optimized the workstreams for 30 internal content developers across IBM Security Learning Services.*

- Full-stack developer, UI designer, and information architect for the SLA.
    - Implement self-created designs from Adobe XD prototypes using HTML, Sass, and Bootstrap.
    - Enhance website accessibility against Web Content Accessibility Guidelines (WCAG).
    - Reorganize the structure of existing documentation and created new presentation frameworks.

  Outcome: *Modernized the end-user experience for 3,000 monthly active users.*

- Database administrator for over 4,000 SLA courses.
    - Create scripts to automate the consolidation of course data from various sources using PHP.
    - Transform data to populate metrics dashboards using PostgreSQL.

  Outcome: *Safeguarded processes that populate data to ensure metrics and reporting continuity.*

- Project manager, front-end developer, and UI designer in the IBM Developer Jumpstart program.
    - Selected as the project manager to lead a team of seven early career software engineers.
    - Conceptualized and implemented new user interfaces using React JSX.

  Outcome: *Reduced the reliance of the command line for IBM Cloud Kubernetes Service UI.*

- Newsletter lead for Global Intern Squad.
    - Collaborated with interns to create bi-weekly newsletters and prepared intern networking events.

  Outcome: *Distributed news to over 2,000 interns across IBM globally.*

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

- Deployed the client relationship manager UI from Salesforce Classic to Salesforce Lightning Experience.

Education

Rensselaer Polytechnic Institute | Troy, New York   2018 – 2022

- Master of Science in information technology
- Bachelor of Science in information technology and web science

Skills

Languages and frameworks: React, Python, JavaScript, PHP, Bootstrap, jQuery, Node.js, MySQL, PostgreSQL, MongoDB, Mustache, HTML5, CSS, Sass

Tools: Visual Studio Code, Git, Postman, PhpStorm, DataGrip, Moodle, Figma, Adobe XD, Adobe Captivate, Trello, Notion, Xcode, IBM Carbon Design System

Certifications: [How To Design for Accessibility: for UX Designers (WCAG 2.2)](https://www.example.com), [IBM Agile Explorer](https://www.example.com), [IBM Enterprise Design Thinking Practitioner](https://www.example.com)