

# Dayoung Kim

Software Engineer

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## TECHNICAL SKILLS

Programming Languages: **JavaScript/TypeScript**

Frameworks: **Vue.js, React/Next.js, Express.js**

Backend Environment: **Node.js**

AI/LLM: **Gemini (2.0 Flash), IBM Granite (3.x)**

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## EXPERIENCE

**IBM - ARMONK, NY**

JUNE 2015 – OCTOBER 2024

### *w3Publisher* | **Software Engineer II – Frontend Software Engineer**

- Specialize in the front-end development of IBM's internal publishing platform, collaborating cross-functionally within an agile, team-oriented environment.
- Enhance social features and user experience in front-end applications by integrating with back-end services and REST APIs across 20+ Node.js and Typescript microservices.
- Collaborate closely with designers to translate Figma wireframes into production-ready user interfaces, strong understanding of web design principles and UI/UX best practices while working with back-end developers to ensure the implemented JavaScript/Vue.js/ES6 code is thoroughly tested using Jest and optimized for deployment.
- Leverage strong prioritization skills, risk analysis, and frontend expertise to guide the product's design and direction on the right path in order to reach the goal.
- Investigated the cause of application's imperfect performance to ensure the platform remains highly scalable and secure, free of security vulnerabilities, to provide reliable experience for the approximately 300K IBM'ers who depend on it daily.
- Optimized system performance by refactoring key endpoints, implementing caching strategies by utilizing Vuex store, and lazy loading images in order to support 50,000 user sites and handle 10 million monthly page views.
- Improve the application's load time by utilizing module bundlers such as Webpack that helps in frontend development by bundling, optimizing, and managing dependencies of various assets into efficient, production-ready files.

### *IBM Carbon Design System* | **Software Engineer II – w3Publisher Representative**

- Led the frontend initiative, successfully migrating UI components from W3DS to Carbon to enhance user experience and implement contemporary design principles.
- Contribute to the IBM Carbon DS in React, creating reusable assets that can be leveraged across the organization, thereby reducing duplicated work and streamlining development efforts to drive cost and time savings for the company.

### *w3CM* | **Software Engineer II – Frontend Software Engineer**

- Designed, developed, and managed HR pages for IBM employees using Drupal CMS,
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periodically addressing security vulnerabilities through version upgrades and conducting accessibility testing to enhance inclusivity.

*Agile Team Tool* | **Software Engineer I – Frontend Developer**

- Collaborated closely with designers and product managers to develop and implement a comprehensive platform that streamlined agile workflows, providing IBM employees with essential tools for tracking progress and enhancing productivity.

*OnIt* | **Software Engineer I - UConn x IBM Team Lead**

- Provided leadership and mentorship to college seniors, preparing potential software engineering candidates through an IBM-sponsored project, fostering their professional development and strengthening the talent pipeline.
- Presented our product to college students at the University of Connecticut, sharing my experience as a Software Engineer at IBM to inspire and encourage them to become future talent.

*iFundIT* | **Software Engineer I - Full-Stack Engineer**

- Collaborated with teams in Singapore and Philippines to design and develop iFundIT, a highly scalable crowdfunding platform, later utilized by Cognitive Build campaign, which was adopted company-wide by IBM to gather and fund innovative ideas across the organization.
- Led the design, debugging, and translating of the iFundIT demo site, that was used to showcase to key stakeholders and external client Lockheed Martin.

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## CERTIFICATIONS

**PROJECT MANAGEMENT FUNDAMENTALS** (MICROSOFT, 2024)

**IBM AUTOMATION PRACTITIONER** (IBM, 2019)

**IBM AGILE ADVOCATE** (IBM, 2017)

**ENTERPRISE DESIGN THINKING PRACTITIONER** (IBM, 2016)

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## EDUCATION

**M. ENGINEERING MANAGEMENT | PENNSYLVANIA STATE UNIVERSITY**

SEPTEMBER 2022 – PAUSED/TBC

**B. S. COMPUTER SCIENCE | UNIVERSITY OF CONNECTICUT**

SEPTEMBER 2011 – DECEMBER 2015