



Nicholas R Kolodziej

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Education

IBC Fundamentals Javascript/
Functional and Web/Dev Level 3
in Advanced Software
Engineering Immersive Program,
Operation Spark, US, 2019

Languages

English - Fluent

Profile

Nicholas Kolodziej is a seasoned Full-Stack Developer with a strong command of JavaScript, HTML, CSS, and a deep proficiency in modern web frameworks like React, Angular, and Vue. His expertise extends to creating scalable, maintainable solutions and adhering to best practices across diverse platforms. Nicholas has an academic foundation in Computer Science from Western Michigan University, Telecommunications from Michigan State University, and Advanced Software Engineering from Operation Spark.

Recently, Nicholas played a pivotal role in the redesign of AEP.com, where he developed reusable, interactive, and static React components within the Next.js framework. He also contributed to the overall page design, ensuring responsive and user-friendly interfaces. With a proven track record in both solo and collaborative environments, Nicholas brings innovative problem-solving and a keen eye for detail to every project.

Key skills

JavaScript, Node.js, SQL, MongoDB, Express.js, HTML, CSS, SASS, JQuery, ReactJS, Angular, Vue, Bootstrap, Redux, Socket.io, Adobe XD, NextJS, Gatsby, Firebase, Mongoose, Chart.js, Material UI, JIRA, GIT, Zeplin, Figma

Key courses and training

Agile Program Fundamentals
Adobe Front-End Development

Work experience

Application Development Specialist Associate

IBM, United States | Mar 2020 - Present

IBM Agile Explorer (Badge)

IBM Blockchain Essentials V2 (Badge)

Enterprise Design Thinking Practitioner (Badge)

Application Developer

Mise en Place, United States | Oct 2019 - Oct 2019

Developed a Progressive Web App (PWA) for bar inventory management using Angular 8, Firebase, Raspberry Pi with a Python API, OCR, Postgres, and Ignite UI. Designed and implemented the front-end interface while also developing a liquid displacement API leveraging the Raspberry Pi to measure the weight of bottles placed on a scale. Data was processed with Python and transmitted seamlessly to the front-end client for real-time updates.



Application Developer

Wallet HOA, United States | Oct 2019 - Oct 2019

Utilized full-stack technology including React, Bootstrap, Chart.js, Firebase, Node.js, Express.js, and MongoDB to deliver a streamlined solution for tracking income and expenses, generating detailed financial reports, and managing homeowner information efficiently.

Teacher Assistant

Operation Spark, United States | Oct 2019 - Mar 2020

Guide students in mastering JavaScript by providing clear explanations, practical examples, and hands-on exercises. Foster problem-solving skills by helping them debug code, understand core concepts like closures, asynchronous programming, and DOM manipulation, and design efficient solutions for real-world scenarios. Encourage collaborative learning through peer code reviews and discussions, empowering them to confidently develop and refine their JavaScript skills.

Assignment history

Front End Developer

AEP | Apr 2024 - Dec 2024

AEP.com redesign

Contribution

I specialized in creating web-responsive, reusable, and interactive components using NextJS. These components, which are integral to the AEP.com website (all of them), included dynamic tables with complex filtering and multiple size variations, as well as interactive cards, forms, and graphs, all designed to be adaptable across different devices and browser sizes.

To keep dependencies low and ensure optimal performance, I created custom components tailored to project requirements, reducing reliance on third-party libraries. I also developed a comprehensive style guide to ensure proper use and capabilities of the components, complete with detailed demos, open code, and documentation for all variations.

Many of these components interfaced seamlessly with internal APIs to deliver dynamic, data-driven functionality. Working closely with the Visual Design (VD) team, I received mockups via Zeplin and translated them into functional components, ensuring the final implementation aligned with the design vision. Additionally, I proactively identified and resolved any design discrepancies, offering practical solutions to enhance usability and meet project requirements via Jira, Microsoft Teams, and our daily standup routines.

Application Developer

IBM Learning & Knowledge | Mar 2021 - Jan 2024

Engineer client learning modules.

Contribution

Over the course of three years and across 25+ projects, I independently developed complete learning courses using technologies such as Carbon/



Gatsby, ReactJS, NextJS, HTML, CSS, JavaScript, and L&K's proprietary framework, which was newly introduced at the time. These courses often required the creation of custom, interactive, and responsive web components to enhance the learning experience, including crossword puzzles, quizzes and tests that also included PDF support for saved user data and responses, and other educational games. Additionally, I integrated various types of internal and external module tracking systems through L&K LT-ID.

I collaborated closely with a designer and a Learning Experience Designer (LED), often working directly with a single individual in these roles. I maintained regular communication with clients, providing progress updates and participating in standups to ensure alignment via Slack and Webex. Beyond development, I offered guidance on component functionality, page formatting, and overall aesthetic improvements to optimize both user experience and visual appeal. I also helped other UI developers from across the portfolio to accomplish their goals.

Consultant

STATE OF NEW YORK | May 2020 - Mar 2021

Project name: Department of Labor

Pandemic unemployment assistance.

Contribution

Provided support for New York Department of Labor unemployment claims including both regular unemployment and pandemic unemployment assistance. Assisted claimants in resolving issues with their claims, ensuring timely and accurate processing. Proactively identified weaknesses in the legacy system and contributed to addressing them, improving overall efficiency and claimant experience.