

Brett Smentek

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SUMMARY

Senior software engineer with 7 years of product engineering experience working at startups and growth companies. I am interested in engineering roles with an emphasis on cross-team collaboration and data-driven product development. *I am looking for a predominantly remote role.*

EXPERIENCE

- **Peloton** New York, NY
Senior Software Engineer and Team Lead *May 2020 - Present*
I work on Peloton's post-purchase member experience including member onboarding and order logistics.
 - **Team Lead:** Worked closely with the product manager and stakeholders to align engineering work with product requirements and timelines through documentation, scope adjustments, and milestoneing
 - **Mentor:** Partnered with less experienced engineers to enable them to lead projects and help them learn about product engineering and strategies like split testing
 - **GraphQL Federation:** Drove a cross-team initiative to adopt GraphQL Federation to query data from a microservice infrastructure, creating a consistent data layer for Peloton's ecommerce teams
 - **Feature Lead:** Built customer-facing features such as scheduling, order updates, and upsells
 - **Full-Stack:** Worked in a full-stack capacity, using React, TypeScript, JavaScript, Kotlin, Python, and Node.js
 - **Microservices:** Worked on breaking a Python monolith into Kotlin microservices
 - **Agile:** Advocated for and participated in engineering practices like pair programming, design documentation, continuous integration, and writing user stories
- **Casper** New York, NY
Senior Software Engineer *Dec. 2018 - May 2020*
I focused on the company's top-of-funnel and serverless infrastructure.
 - **Technical Leadership:** Led migration to the Next.js framework and web performance improvements
 - **Automation:** Integrated CMS with ecommerce site, giving nontechnical users the ability to make changes to the site without engineering involvement and allowing for a 10x in product velocity
 - **Testing:** Introduced testing standards and end-to-end tests, reducing production issues by 75%
- **Knewton** New York, NY
Software Engineer *Dec. 2016 - Dec. 2018*
At Knewton I helped develop an AI/ML educational platform and launch an educational product to help teachers teach math and science courses.
 - **Startup Building:** Led the development of a TypeScript-React-Redux-GraphQL frontend working with a lean team to scale a consumer application from 0 to 100,000 students
 - **Recommendation Engine:** Built a custom Python-based content management system to map content with an AI-based recommendation engine and integrate with a large number of Java services
- **Arup** New York, NY
Full-Stack Web Developer *Aug. 2014 - Dec. 2016*
Arup is a consulting firm which provides design, engineering, and architecture services for the built environment.
 - **Multidisciplinary Environment:** Constructed web applications and data visualizations to communicate the work of mechanical and environmental engineers to clients to aid in the planning of construction work
 - **Big Data:** Built a search engine for full-text documents and project data designed to be directly useful for engineering by parsing relevant engineering data from 10 million unstructured documents
- **Westinghouse Electric Company** Columbia, SC
Nuclear Energy Engineering Intern *Summers 2012 and 2013*

EDUCATION

- **Clemson University** Clemson, SC
Bachelor of Science in Mechanical Engineering; Clemson Honors College *Aug. 2010 - May. 2014*

PROGRAMMING SKILLS

- **Languages:** JavaScript, TypeScript, Kotlin, Python, HTML, CSS **Technologies:** React, NodeJS, Next.js, GraphQL, API development, Redux, AWS, Figma, design systems, accessibility, Jest, a/b testing