

## **Software Development Engineer, Backend**

### **What We Do**

We help school district leaders design the schools that kids and teachers need with the resources they have. School by Design's platform and services provide education leaders customized insights into their resources so that they can make better, faster decisions for kids and teachers. More often than not, education leaders don't have all the information they need to craft optimal solutions for the tricky challenges schools face. Data on various assets—time, students, staff and courses—is isolated. We help education leaders see how a decision in one area impacts another and how their decisions collectively impact kids and teachers.

### **Who We Are**

School by Design was founded by a passionate group of education leaders partnering with education technology experts. We are former leaders of states, districts, schools and EdTech companies.

### **The Role**

We are looking for a full stack engineer focused on the backend to help us change how districts optimize their resources. If you want to have a huge impact with the work you do everyday, both for districts, teachers, students and School by Design, this could be a great fit.

We are a small, distributed team and work flexibly across projects and features. Teams take on a range of projects from new feature development to performance optimization to front end development. We share responsibility for and are empowered to improve our platform. We work to build the type of system and team we want to work with. This means we prioritize code quality and only ship code with a full suite of tests.

### **We need someone who will:**

- Contribute to the architecture, performance, and scalability of a fast growing education analytic platform. Create and shape architecture that enables many potential futures without knowing exactly what the future is.
- Identify opportunities to refactor existing code to be more flexible and scalable. Research alternative solutions, technologies, architectures in cooperation with the development team, helping to reach a consensus.
- Seek out requirements and ask good questions.
- Articulate ideas and beliefs clearly to the team. Persuade, listen and guide debates to help reach the best solution.

- Excel at getting the team to focus on the highest-impact projects. Lead delivery of major initiatives on clear timelines. Be proactive in identifying and clearing roadblocks for the team.
- Nurture the technical and leadership growth of other engineers. Make others better through code reviews, pairing, documentation, technical guidance, and mentoring.
- Shape not only the algorithms and architecture but the process and culture to create the type of engineering team you want to be a part of.
- Deliver technical solutions that meet customer's needs which are useful, used, and delightful.

**What you'll bring:**

- Extensive (5 to 10 years) web development experience: Node, JavaScript/TypeScript, MongoDB, PostgreSQL, GraphQL, Angular, Docker.
- Intense curiosity, desire to learn, and problem solving nature — you love working on hard problems and constantly search for the best solution to deliver simple, clean code for complex needs.
- Track record of building usable, scalable products (we'd love to see your portfolio or links to any projects you can share!)
- Ability to balance attention to detail with broader project goals and timelines.
- Passion for building user-centric products in education.
- Experience with PHP, AWS, and K-12 education data and data systems are strong bonus points.

Location: Waltham, MA or remote.

Contact: [careers@schoolbydesign.com](mailto:careers@schoolbydesign.com)