

Raúl Boquín

Full Right to Work in the UK - Partner Visa

Education

Massachusetts Institute of Technology (MIT)
Bachelor of Science in Math with Computer Science

Cambridge, MA
June 2017

Experience

Panorama Education
Lead Software Engineer

Boston, MA
Sept 2019 -

- Developed an educational data platform that serves more than 25,000 schools across all states in the United States including working on 4 products, customized data integrations, hundreds of support tickets, and developing new go-to-market features across multiple legacy and modern tech stacks.
- Collaborated with Product, Sales, and Design teams to understand business requirements of a project that involved transforming a page built on bootstrap into vue. Translated requirements into technical specifications for frontend software development, with the impact of minimizing blockers for engineers and maximizing product delivery criteria in initial iterations. Delivered project one month ahead of schedule.
- Contributed to the frontend working group by spiking out components for the Vue Design System, facilitating meetings, demoing and presenting to wider engineering and design audiences, and updating front end webpack services to keep us up to date with the latest releases. Also helped transition the engineering team into Typescript, including leading a 2-day "sprint" to transforming as much components as possible into typescript
- Identify and implement process improvements to increase software development efficiency. For example, conceptualized the concept of a "staggered release", which consisted of leveraging feature flag software like LaunchDarkly to release to a small number of clients one day at a time. This allowed us to analyze performance impacts in Production environments and minimize the risk of releasing to all clients at once.
- Developed code in areas that fortified relationships with key clients and in areas that were key drivers in sales goals and RFP wins, such as a new reporting system built on top of Qlik that delivered on time for peak season.
- Pioneered the creation of a new data collection service for entities across multiple client data streams, with the purpose of being able to significantly reduce the amount of DB reads for many of our read models and allow us to implement more complicated data-heavy features. The result was that I was able to decrease the amount of time of our nightly data regeneration process by about 1.5 minutes on average for each entity.
- Led and oversaw a squad of 5 engineers on a 5 month project to plan, implement, refactor/QA, and ship a new data analytics feature for our product. This included onboarding 3 of the engineers into our codebase and practices and spiking out different implementations to maximize efficiency and feature extensibility.
- Significant experience in Ruby on Rails stack - I manage multiple features in Rails Application, including more than 15 controllers and read logic services. I also have heavy experience in rspec and ruby unit testing.
- Architected and implemented a user-friendly JSON configurable form framework leveraging Ruby on Rails for the API and Vue/TypeScript for the interactive UI, enabling non-technical users to design and deploy custom data collection forms without code.
- Extensive experience in windsurfing and prompt engineering, including the creation and implementation of an LLM documentation directory to enhance team prompt engineering workflows within specific codebase areas.

Hack Diversity
Software Engineering and Career Volunteer Mentor

Boston, MA
Jan 2020 - Jan 2025

- Guided "emerging technologists", who predominantly identify as Black and Latinx/e/o/a, to realize their full potential, including leading technical interviews, giving career advice, and leading discussions on staying organized and notetaking.

Software and Education at Education First (EF)
Software Engineer, 360 Tech

Cambridge, MA
Sept 2017 - Sept 2019

- Contributed to the development of a Salesforce Instance for a new EF Product, Gap Year.
- Established a new Data Science Team within the EF Tours Tech Department and developed best practices for collaboration between teams.
- Led the creation of a Group Size Projection Prototype as a Pilot for our Operations Teams. Improved the accuracy of the predictions by 10% over the course of six months.
- Coordinated the transition of Data Science Models from Pilot to Service by migrating deployment to Kubernetes and Docker. In addition, initiated some of the migration to writing to a data stream and providing an API for clients.

Scheller Teacher Education Program (STEP) Lab: Educational Software: Gameblox
Student Researcher, Content Developer, Software Developer

Cambridge, MA
Sept 2015 - Aug 2017

- Actively Conducted research on ways users could learn programming, problem-solving, and information from Gameblox software and other ed tech
- Spearheaded front-end development of Gameblox tutorial pages

Skills

Computational: Ruby on Rails/Rspec, Vue, React, Typescript, Jest, Python on Django, Go, C#, Node.js, Windsurf;
DevOps: Kubernetes, Docker, AWS, Codespaces; **Data Analysis:** Matlab, Qlik; **Language:** Spanish (fluent)