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Ruby on Rails

While looking at postings for computer science jobs, something I frequently came across in the list of qualifications was Ruby on Rails. Being familiar with Ruby on Rails seems desirable, so, as a computer science major, I think it would be good for me to learn about it.

Ruby is a programming language, and Rails is a full-stack framework. Full-stack refers to both front-end (what the user interacts with) and back-end (the server) development. A framework is a structure that provides generic templates of solutions so that a programmer is not starting from scratch.

Ruby on Rails uses a Model-View-Controller software architectural pattern. The model is the application's data structure, the view is the visual representation of information, and the controller receives input and then passes the input off to the model or the view. The model and the controller are the back-end part of the application, and the view is the front-end.

Rails is popular because it provides everything necessary to create a web application, which makes the application development process quick. Companies like Shopify, Airbnb, Soundcloud, and Kickstarter all use Ruby on Rails because it is very convenient.

Although Ruby on Rails has been around for a while, it's still relevant and an industry standard. I think it would be a good skill for me to have.