Sam Fahlberg

Email: sam.fahlberg@gmail.com | GitHub: sfahlberg | Lives in San Francisco, CA

Technologies and Languages

Ruby, Rails, JavaScript, React/Redux, Elasticsearch, Elixir, PHP, MongoDB, SQL, GraphQL

Experience

	Position	Organization	Achievements
6/2016 to 1/2018	**Full Stack Engineer**	**BrightBytes** San Francisco, CA	Built new features for school districts in Ruby on Rails and React/Redux in an agile environment. Wrote unit and feature tests for all new features and for bug fixes
			Set up new rails models and internal apis using graphql so district administrators could create custom groups of schools
			Created on my own a new frontend application in React/Redux for managing what online tools schools have purchased so administrators can make renewal decisions, while adding to the backend service written in Elixir
			Initiated a technical book club that met monthly and organized a monthly lunch-n-learn for increasing knowledge sharing in engineering
4/2015 to 6/2016	**Software Engineer**	**Education.com** San Mateo, CA	Worked in an agile environment for an education technology startup across frontend, backend, and devops
			Transitioned site to Elasticsearch from Sphinx
			Developed reports querying MongoDB and MySQL
			Implemented AB tests using Optimizely and an internal testing tool
8/2011 to 8/2014	**Research Analyst**	**International Monetary Fund** Washington, D.C.	Acted as data scientist for African countries, writing code in Stata and MATLAB for economic research and analysis; coded in VBA for a 4x increase in productivity
			Managed and updated SQL databases for five African countries. Was selected to travel to three African countries as the expert to manage the database software

Personal Project

Link	Description
github.com/sfahlberg/rebalancer	Crawls Vanguard.com, parses CSVs to determine what the user should buy or sell to rebalance the user's portfolio, developed using TDD

Education

2006 to 2010	**High Honors BS Finance**	University of Illinois at Urbana-Champaign

Activities: trumpet in jazz quartet, cyclist, mandolin, backpacker
Fluent in French
Eagle Scout Award