TARIQ ALI

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ABOUT ME

I'm a former PoliSci Masters student that found my way to software in 2014. Since then, I've gained broad exposure through a series of long-term software contracts at companies like Microsoft and Firespring. My strength is backend focused Ruby on Rails, and I've learned Python/Django, .NET, and Javascript libraries like React on the job. At this point in my career, I'm ready to join a growing company where I can find the right balance of mentorship and autonomy while working on a product that is providing tangible customer benefits.

SKILLS

FRAMEWORKS/TOOLS: Ruby on Rails, jQuery, Materialize, Sinatra, Bootstrap, React.js, RSpec, RailsAdmin, ActiveAdmin, CoffeeScript, Angular 1.X (AngularJS), jQuery UI, Node.js, Django, Docker, Capistrano, AWS, Backbone.js, DataTables.js
LANGUAGES: Ruby, JavaScript, HTML, CSS, SQL, Python, C#, C++, PL/SQL

EXPERIENCE

Software Engineer, P97 Networks   Nov. 2018 - Current
• Build and maintain the backend of P97's digital payments system. Worked with .NET (C#), Azure, CosmosDB and T-SQL.

Senior Software Engineer, Infosys   Mar. 2018 - Nov. 2018
• Built and maintained internal tools for a major oil & gas corporation. Worked with React.js, Backbone.js, DataTables.js, .NET (C#), PL/SQL, Sharepoint, and Oracle databases.

Software Design Engineer (Contract), Microsoft   July 2017 - Nov. 2017
• Participated in a project to automate the interview scheduling process at a department, with an emphasis on helping the team build an internal .NET (C#) web application. Wrote client-side and server-side validation for user input, wrote automated tests and manual test cases, and set up a build process. Conducted some initial research into PowerApps and Microsoft Flow to help the rest of the team incorporate these technologies into the automation project.
• Participated in a project to help identify critical issues within an application, and presented this project to other people within the organization. Wrote C# and C++ code to instrument telemetry, and used internal tools to generate e-mail alerts based on that telemetry.

Freelancer, Ramal Tech   Apr. 2017 - Mar. 2018
• Contributed to Gitcoin.co, a freelancing web application focused on open-source projects. The project uses Python, Django, jQuery, Docker, and the Ethereum blockchain.
• Maintained an educational web app for Kaplan ("Explore Data Science"), which uses Ruby on Rails on the backend and Angular 1.X on the front-end.
• Advised a client on how to bring a product delivery business to market, helping them maintain their Wordpress website and building out an admin dashboard that uses Ruby on Rails.
• Built a report generator using Calyx (a Ruby gem) and created a Ruby on Rails website for gathering data using jQuery and RailsAdmin.

Software Engineer, Firespring   Feb. 2016 - Dec. 2016
• Developed and maintained websites for Firespring's clients, including Yoganonymous (a Yoga social networking website), SL Green, Fisher Brothers, and Nebraska Educational Telecommunications . Focused on backend web development and front-end JavaScript. Used jQuery, RailsAdmin, RSpec, CoffeeScript, Angular 1.X, Ruby on Rails, AWS, and Capistrano. Conducted code reviews and collaborated with account managers. Worked on a team of 4-6 people.
• Worked on technological "spikes" to determine the feasibility of new projects (examples: built a insurance rate calculator using a reverse-proxy using Node.js, rebuilt an internal website using ReactJS, tested an online form using RSpec and FactoryGirl).

Web Developer, Digital Fractal Technologies   2015 - 2016
• Developed a "Content Management System" to allow users to update their own "tour guide" mobile applications, with Sinatra (a Ruby framework) and Bootstrap.

Web Developer, Serene Technologies   2015 - 2016
• Built the "UTradeBook" web app (a website allowing people to buy and sell books and notes) using Ruby on Rails and Bootstrap.
• Maintained SOLARO, an educational web app built on Ruby on Rails and using the ActiveAdmin gem.

Administrative Assistant and Webmaster, Southwest Medical Center (Dr. Syed Azeemuddin)   2014 - 2015
• Created and maintained a Wordpress website for a 501(c) non-profit organization, and sent out periodic newsletters about the organization.
• Developed several other Wordpress websites for Dr. Syed Azeemuddin as well.

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PROJECTS

Howdoi (Contributor)   2017
Howdoi is a command-line tool written in Python, designed to search Stack Overflow using the terminal. I added URLs to search results and did a minor bug fix to display the proper URLs.

Project Source Code: https://github.com/gleitz/howdoi/

Classifier-Reborn (Contributor)   2016
Classifier-Reborn is a Ruby gem that enables users to use machine learning algorithms (Bayesian and "Latent Semantic Indexer") to classify data. I provided a small bug fix that resolved two outstanding issues.

Project Source Code: https://github.com/jekyll/classifier-reborn

ZombieWriter (Maintainer)   Dec. 2016 - Current
ZombieWriter is an open-source Ruby gem that generates short news articles based on rearranging the order of user-provided paragraphs. Provides proper citation (in the form of a hyperlink) to the original sources of these paragraphs. Users can specify whether they want to use "machine learning" (Latent Semantic Analysis and K-Means Clustering) or "randomization" when generating news articles.

Project Source Code: https://github.com/tra38/ZombieWriter

Calyx (Contributor)   2016
In 2016, I contributed to Calyx, an open-source Ruby gem dedicated to generating text. I was responsible for bug fixes and implemented a new feature enabling the gem to be able to read input from JSON and YAML files.

Project Source Code: https://github.com/maetl/calyx

Hashography (Contributor)   2015
Hashography visualizes how users are tweeting about certain words in real time, around the world. Written entirely in Javascript, it utilizes the Twitter and Google Maps API, Node.js, and Socket.io.

Project Source Code: https://github.com/egarreau/hashography

Friend Computer (Maintainer)   2015
Friend Computer is a program that can write blog posts. It retrieves information from Twitter and analyzes it using Alchemy API, and then writes a blog post based on its analysis. I was the sole person working on Friend Computer. The website was built on Sinatra (a Ruby framework).

Project Source Code: https://github.com/tra38/FriendComputer

EDUCATION

Dev Bootcamp (learned SQL, HTML, CSS, Ruby and JavaScript)
Web Design 2015

Northern Arizona University
Masters Political Science 2012

Arizona State University
Bachelors Political Science and History 2010