Seyed Hooman Mostafavi

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Work Experience

Front End Developer | Amobee | Sept 2019 - Present

- Improve the user experience of the application by developing standard-compliant, cross browser compatible, responsive, and performance-optimized user interfaces
- Enhance the backend API by optimizing the backend code, queries, and stored procedures
- Extend the application functionalities by implementing new frontend features and backend endpoints
- Maintain a library of reusable frontend components and backend services with proper code documentation
- Close collaboration with other engineers and product managers to identify and fix various frontend and backend issues
- Use AngularJS, SASS, HTML, Jasmine, C#, ASP.NET, NUnit, REST API, Microsoft SQL Server, Git, Jira, Slack

Associate Software Engineer - Junior QA Analyst | First Foundry | Nov 2018 - Sept 2019

- Enhanced the UI/UX of the application by implementing new features and developing efficient and user-friendly interfaces
- Ensured high code quality through code reviews and writing unit and integration tests
- Collaborated closely with other team members in an Agile environment using Scrum methodology and a CI/CD workflow
- Wrote user stories and test cases and performed backend, API, and end-to-end testing
- Used React, Apollo, GraphQL, Redux, Jest, Enzyme, PostgreSQL, Cucumber (Gherkin), Nightwatch, Git, Jira, Slack

Research Assistant Intern | Oregon Network Research Group (ONRG) | Oct 2018 - Nov 2018

- Collected and processed the information of the most followed users on Twitter using the Twitter REST API
- Improved the usability of the ONRG website by adding new pages and styling the content
- Used GitLab, HTML, CSS, MySQL, and Requests and Twython libraries in Python

Data and Web Management | University of Oregon Graduate School | June 2017 - June 2018

- Increased website robustness and security by maintaining existing programs and SQL queries, adding and editing contents, installing and updating modules, and analyzing the logs on the servers
- Improved students' and faculty members' satisfaction by providing straightforward and timely technical support
- Used Drupal, PHP, HTML, CSS, JavaScript, Microsoft SQL Server, Windows Server, IIS, Git

Graduate Teaching Assistant | University of Oregon | Sept 2016 - June 2017

- Instructed lab sessions and assisted up to 60 students with assignments and projects
- Courses: Database Systems, Web Application Development, Networking Fundamentals

Education

M.S. in Computer Science | University of Oregon | GPA: 3.88/4 | 2016 - 2018

B.S. in Computer Software Engineering | University of Tehran | GPA: 17/20 | 2011 - 2016

Technical Skills

Programming Languages

Proficient: JavaScript, C#, HTML, CSS, SASS, SQL

Prior Experience: Python, Java, PHP, UML, C++, C, Ruby

Frameworks and Tools

Development: AngularJS, React, Redux, Apollo, Webpack, ASP.NET, Node.js, jQuery, Drupal

Testing: Jest, Jasmine, Enzyme, Cucumber, Nightwatch, Selenium

Other

REST, GraphQL, Microsoft SQL Sever, PostgreSQL, MySQL, OOP, Bootstrap, Scikit-learn, Pandas, Matplotlib, Git, Jira

Selected Projects

A Longitudinal Assessment of Website Complexity | M.S. Thesis | bit.ly/uothesis | 2018

- Implemented a web crawler for automatic HAR (HTTP Archive) file collection using Selenium WebDriver in Java
- Analyzed various complexity metrics for each website and predicted the page load times using Regression models such as: Linear Regression, Ridge and Lasso Regression, and Random Forest Regressor with an R-squared of 77% in Python

Spotify Explorer | bit.ly/spotifyexp | 2018

- Built a web application with Meteor (React and Node.js) and used the Spotify RESTful Web API in order to provide users with different information about their favorite artists as well as charts for comparing related artists

An Online Expert System for Detecting Autism in Children | B.S. Thesis | 2015

- Implemented Random Forrest classification algorithm in Python with an F1 score of 95% to predict the probability of autism in children using the parents' answers to an online questionnaire
- Designed and developed a website in Drupal which enabled users to fill out an online questionnaire, receive feedback, and get in touch with autism institutions for further diagnosis and treatment

Scattergories Game | Team Project, Software Engineering Course, University of Tehran | Spring 2015

- Designed and developed a website providing an online platform for playing Scattergories (a multiplayer text-based version of the game); Using Ruby on Rails, HTML, CSS, JavaScript, MySQL, Git

Fitness Website | Team Project, Internet Engineering Course, University of Tehran | Spring 2014

- Designed and developed a website providing services such as: various exercise plans, personal profiles, logging users workouts and progress, and creating workout schedules; Using Ruby on Rails, HTML, CSS, JavaScript, jQuery, MySQL

Communication Application | Team Project, System Analysis and Design Course, University of Tehran | Spring 2014

- Implemented a windows application for scheduling automatic email sending and template creation; Using C#

Honors and Awards

Nationwide University Entrance Exam | Summer 2011

- Ranked 635th among more than 250,000 participants (i.e., top 0.25%)

Languages

English: Full Professional Proficiency

Persian: Native