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Hamza Memon

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github.com/xJavaTheHutt

EXPERIENCE

Software Engineer — Sacramento, CA
Fast Enterprises — Jul 2018-Jan 2020
- Configured automation, dashboards, reports and dozens of new tax types via VB.NET and SQL for the California Department of Tax and Fee Administration, expected to generate $50M over 5 years
- Requirements gathering, customization and user acceptance (system) testing

Developer/Scrum Master — Loudonville, NY
Siena College — Sept 2017-Apr 2018
- Developed a web application using Angular, D3.js and Bootstrap to display an emotional and physical analytics dashboard for a local analytics company as part of the senior level Capstone course
- Served as the developer and Scrum Master, while conducting daily stand-up meetings

Software Development Intern — Albany, NY
New York State Senate — Sept-Dec 2017
- Converted a travel request procedure from paper to online for the New York State Senate's Employee Self-Service, impacting over 1,500 employees
- Used Java, Spring, PostgreSQL, Bootstrap and Google Maps's API to develop a RESTful API to calculate travel reimbursements
- Met often with clients and supervisors to determine functional requirements and demonstrate progress

Software Development Intern — Albany, NY
New York State Senate — Sept-Dec 2016
- Remodeled areas of the New York State Senate's Open Legislation website using Bootstrap and Angular, resulting in a better user experience
- Set up unit and integration tests using JUnit, allowing for better tested code, as well as simplified much of the back-end Java code, producing cleaner and more readable code

PROJECTS

Smash Stats
- Developing a web application utilizing Bootstrap, React and React Router to display frame data and animations in the Super Smash Bros. series, conditionally read from JSON objects extracted from the games

Twitchtistics
- Charts a specified streamer's videos and their respective view counts, built with Flask, D3.js and Twitch's API

Text Retrieval System
- Programmed an information retrieval system utilizing Serializable objects, able to index 20,000 files in 15 seconds
- With the integration of the Porter2 stemming algorithm, decreased unique dictionary size by 38.3%
- Performs either a vector space model or a simple Boolean model search in under a second

Porter Stemmer
- Implemented Snowball's Porter2 stemming algorithm in Java, grouping similarly stemmed words
- Uploaded as a Maven artifact to the Central Repository, allowing integration with any Maven project

SKILLS

- Languages: Java, Kotlin, HTML, CSS, JavaScript, jQuery, Typescript, Angular, React, PHP, SQL, Python, Node.js, VB.NET
- Environments: Windows, Linux, Visual Studio, IntelliJ, PyCharm, AWS, Git, Jira, Docker, Kubernetes
- Methodologies: Agile, Scrum

EDUCATION

Siena College — Loudonville, NY
Bachelor of Science, Computer Science — May 2018