Hamza Memon

hmemon67@gmail.com
(518) 344-9662

https://hamzamemon.com

linkedin.com/in/hamza-memon
github.com/hamzamemon

EXPERIENCE

American Airlines

Software Developer — Jun 2022-Present
Associate Software Developer — Feb 2021-Jun 2022
- Migrated codebases from on premises to the cloud
- Involved in the development of microservices using Java, Spring Boot, REST, SonarQube and deployment using Jenkins pipelines, Docker and Kubernetes
- Implemented a product for COVID-19 to help customers be ready with all required information before traveling

Software Developer — Fast Enterprises — Jul 2018-Jan 2020
- Configured scheduled jobs in production, 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
- Managed the transfer and translations of Key Data Entry files through integrating iCapture, allowing paper returns to be brought into the system
- Collaborated with the business for gathering requirements, customization and user acceptance testing

Software Developer Intern — New York State Senate — Sept 2017-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 and Angular to develop a RESTful API to calculate travel reimbursements
- Participated in daily Scrum stand-up meetings to determine functional requirements and demonstrate progress

Student Researcher — Siena College — Jun 2017-Jul 2017
- Reduced the number of duplicated individuals in a data set provided by HUD by 30% by implementing a deduplication algorithm by discovering trends in the data and merging duplicated information
- Conducted research to identify possible improvements to the algorithm, such as fuzzy string matching and human error handling

Computer Science Tutor — Siena College — Sept 2016-May 2018
- Led drop-in group tutoring for introductory computer science courses to strengthen Python and Java skills

PROJECTS

ESLint Configuration Checker
- Python script that reads an ESLint configuration file and provides suggestions on parser options, environments and plugins, displays outdated or redundant rules and optional parameters, resulting in a cleaner configuration file

Text Retrieval System
- Programmed an information retrieval system utilizing Serializable objects, able to index 20,000 files in 15 seconds
- 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, HTML, CSS, JavaScript, Typescript, Angular, React, SQL, Python, VB.NET
- Environments: Windows, Linux, Visual Studio, IntelliJ, PyCharm, Git, Jira, Docker, Kubernetes

EDUCATION

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