

SHAHZRAD JALALI

US CITIZEN

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WEB DEVELOPMENT SKILLS

Languages:

- Python
- C#
- CSS
- HTML 5
- JavaScript
- SQL

Frameworks / Libraries / Servers:

- Django
- Express
- React
- Bootstrap
- ASP.NET Core
- Entity Frameworks
- jQuery
- OpenCV

Other:

- Node.js
- Flask
- SQLite
- noSQL
- MySQL
- MongoDB
- Mongoose

- Git and GitHub
- AWS
- Postman
- BCrypt
- REGEX
- NGINX
- Unicorn

- AJAX
- socket.IO
- Node
- Postman
- nodemon

- Object Oriented Programming
- MVT and MVC structures
- Test Driven Development (TDD)
- API's and RESTful API's
- Responsive Development
- Reactive Development
- DOM

TECHNICAL SKILLS

- Full Stack Developer
- Data Structures and Algorithms
- Object-Oriented Programming (OOP)
- Deployment with EC2 and other AWS Cloud Services
- GET/POST request functionality
- Clean Code Practices
- Database Design Structures and Relationships; one-to-many or many-to-many
- API Design and Development
- Database Development, Storage, and Retrieval
- MVT and MVC
- Artificial Intelligence: Strategies and Implementation
- Software Development Best Practices
- Create/Add - Read - Update/Edit - Delete (CRUD) functionality
- Version and Quality Control
- Debugging, Troubleshooting, and Testing
- Validations - Both Front End and Back End
- Security Implementation - Back End and Front End; password hashing/encrypting, REGEX (for e-mail addresses)
- Security Planning
- Analytical Thinking and Problem Solving
- Time Management and Organization

FULL STACK PROJECTS

“Employee Requests Project” (Full Stack): | [View Site](#) |

- Skills Used: Python, Django, mySQL, Bcrypt, REGEX (e-mail format), Unicorn, wsgi, “MVT” format, TDD, “CRUD”, validations, OOP, CSS, HTML, JavaScript, Bootstrap, AWS (EC2) Deployment.
- Application for employees with a log-in/registration with back end validations, password encryption and hashing, and correct e-mail format. Logged-in employees are welcomed by First+Last Name to home page of “requests” they have submitted to employer(s).
- Engineered custom algorithms to filter employee’s “submitted” and “fulfilled” requests, as well as algorithms for a statistics page.

“Animal/Pet Adoption Project” (Full Stack): | [View Site](#) |

- Skills Used: React, JavaScript, Node.js, Bootstrap, CSS, HTML, Express, Mongoose, MongoDB, AJAX, Postman, nodemon, noSQL, Axios, socket.io, typescript, npm, AWS (EC2) Deployment, Validations, Create-Read-Update-Delete (“CRUD”) commands, MVC” format, and Object Oriented Programming.
- Created both a client-side and server-side application with user forms submitted/saved to the database, validations (front & back end), utilizing all OOP aspects, using “CRUD” Commands, and deployed via AWS. Algorithms to add “likes” to pet when refreshing screen.

WORK HISTORY

SOFTWARE DEVELOPER AND IT TECHNICIAN

2006-2018

Forensics Technology Center, Computer Technology Center (Rockville, MD)

- Administered, supported, and monitored databases by resolving database issues and maintaining servers.
- Created websites, managed/maintained corporate software applications.
- Tested functional compliance of company products.
- Trained and managed team and discussed issues in order to provide expeditious resolution and to apply best IT practices.
- Kept financial track of client purchase orders with Quick Books and a customized database.

EDUCATION

Artificial Intelligence and Machine Learning (Strategies and Implementation)

University of California, Berkeley

Berkeley, CA

May 2021

- Continuing education in Artificial Intelligence: Business Strategies and Applications.
- Class instruction on understanding the different levels and fields of Artificial Intelligence (AI).
- Lessons and assignments on the utilization and implementation of machine learning within organizations.
- Assigned individual and group projects involving AI.
- Develop functional requirements and provide system analysis and design for an innovative, AI-based solution to assist an existing non-profit organization to better serve its clients.
- Completed final Capstone Project for high-level implementation of both supervised and unsupervised machine learning AI within the Legal System.

Coding Dojo - Full Stack Developer

Arlington, VA

January 2021

- Certification in full stack software development : HTML5, CSS, JavaScript, Python / Django, MERN / React, and C# / .NET.
- Graduated in top 1% of class.

Biology and Pre-Pharmacy with Minor in Psychology

University of Maryland (UMBC)

Baltimore, MD

2007

MCSE (Microsoft Certified System Engineer)

2005