

Jeff Aden

Software Developer | Software Engineer | Web Developer

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GitHub: <https://github.com/jeffjack38>

Professional Summary

As an entry-level Software Developer, I am well versed in designing, developing, troubleshooting, and debugging software programs for databases, applications, tools, and networks. I excel in executing software development tasks aligned with provided design specifications. With a keen eye for detail and a dedication to constructing efficient programs, I am excited about the opportunity to contribute to innovative solutions within a collaborative software engineering division. Eager to further enhance my skills, I am enthusiastic about the prospect of contributing to the success of a team-oriented setting.

Area of Expertise

Technical Skills:

- **Programming Languages:** C#, Java, Python, JavaScript, TypeScript, SQL
- **Framework & Tools:** .NET Core, MVC, ASP.NET, React.js, Node.js, SOLID principles, Unit Testing, Agile Methodology, Java Spring Boot, Hibernate, JUnit, Bootstrap, HTML/CSS, jQuery, Tomcat, Java Persistence API, Git, GitHub, Debugging, Troubleshooting
- **Databases:** SQL Server, MySQL, Azure SQL, PostgreSQL

Professional Skills: Adaptation to New Technologies, Cross-Functional Collaboration, Continuous Learning, Complex Problem Solving, Systematic Troubleshooting, Effective Communication, Detail Oriented

Projects

Pet Adoption Website (Group Project, DMACC Fall 2023) <https://github.com/jeffjack38/PetAdoptionWebsite>

Description:

Led backend development and project management roles for a comprehensive web application highlighting proficiency in web development fundamentals such as routing, data validation, database management, user authentication, state management, error handling, and unit testing.

Contributions:

- Facilitated cross-functional collaboration among our team of three by implementing a backlog system to ensure task completion and address blockers with the front-end developers.
- This approach aided in integrating back-end functionality with front-end components and contributed to the project's overall success of achieving a 96% grade.
- Developed view-specific logic within view models to ensure smooth data handling and validation for user interactions. Designed and validated database schema, implemented Entity Framework Core to facilitate interaction with the database, configuring relationships and ensuring proper inheritance
- Created actions and methods for CRUD operations such as giving users the ability to add new pets, manage pet listing, update existing information, view details, and delete entries as needed.
- Managed session state data by serializing/deserializing objects and implementing error handling mechanics to catch and log exceptions during session management operations. Established routing for Web API endpoints, implementing data binding models, and ensuring validation of user input.
- Integrated Identity framework for streamlined user management, including registration, login, and authorization controls. Implemented role-based access control to effectively manage user permissions, enabling administrators to have broader access to pet and user information, including the ability to edit data, compared to standard user roles with limited access.

Tech Stack:

- **Development Environment:** Visual Studio 2022
- **Frameworks & Technologies:** ASP.NET Core MVC, C#, HTML/CSS
- **Database Technologies:** Microsoft SQL Server, Azure SQL Server
- **Deployment:** Azure App Services
- **Version Control:** Git, GitHub

TaskManager (Individual Project, DMACC Fall 2023) <https://github.com/jeffjack38/TaskManagerWithOwners/tree/main>

Description:

Developed a web-based task management application using Java and JavaServer Pages. The application allows users to create task lists, add tasks to these lists, edit existing tasks, and delete tasks as needed. Users can also view all tasks and lists, select specific tasks for editing or deletion, and create new task lists.

- Implemented servlets to handle HTTP requests and perform CRUD operations on task lists and tasks. Servlets acted as the controllers in the MVC architecture, processing user requests, invoking backend logic, and generating appropriate responses.
- Utilized Hibernate as an ORM framework for database operations, including entity management and persistence. Hibernate simplified database interactions by mapping Java objects to relational database tables, reducing the amount of boilerplate code required for database access.
- Applied Object-Oriented Programming principles extensively. Classes such as ListDetails, ListTask, and Owner encapsulate data and behavior related to specific entities, fostering modularity and reusability. Applied inheritance in subclasses such as NavigationServlet and ListNavigationServlet, promoting code reuse and facilitating polymorphic behavior.

Tech Stack:

- **Frontend:** HTML, CSS, JSP
- **Backend:** Java, Servlets, Hibernate
- **Database:** MySQL
- **Version Control:** Git

Animal Rescue of Carroll Website Redesign (Individual project, 8/20/2024 - present)

Description:

Will oversee a website redesign for a local animal rescue organization. I had one of the board members reach out to me with this opportunity and will have initial consult to discuss goals 9/6/2024.

Professional Experience

Oracle Fusion Security Consultant Intern, Accenture | Des Moines, IA | June 2023 – August 2023

Assisted the security team with Identity and Access Management as part of Accenture contracted out to Berkshire Hathaway to aid with transition to Oracle Cloud. Resolved work orders for team members to gain access to testing environments. Participated in daily stand-up meetings to identify blockers and discuss progress toward goals.

- Reviewed Oracle's documentation and presented solutions to tickets, created work orders required for team members needing access to testing environments, managed data on user roles and data access to serve as a backup for users to gain similar access post refresh, granted/revoked roles based on access request/approval, troubleshooted user issues.
- Demonstrated desire to continuously grow through networking with cross-functional team members and independently work through Oracle's Cloud Security Professional Certificate to be more effective in resolving issues.
- Facilitated effective cross-functional collaboration to address user issues and resolve work orders promptly.

Physical Therapist Assistant, McFarland Physical Therapy – Carroll, IA – Nov 2020-Feb 2024 | Select Physical Therapy – Ankeny, IA – Sept 2015-Nov 2020 | Community Rehab – Atlantic, IA – July 2014-Sept 2015

Delivered therapeutic interventions in outpatient orthopedic Physical Therapy to a diverse patient population including age groups, post-operative care, sports medicine, and pain neuroscience rehabilitation.

- Top performer able to go beyond expectations for key performance indicators such as visits per week, units per visit, and cancel/no show rate.
- Preceptor for two students (2016, 2017) from Drake University, collaborated to establish clear and achievable goals for their internship that aligns with their learning objectives and professional aspirations. Assigned tasks and projects to provide real-world learning in a clinic environment, conducted frequent follow-up meeting to monitor progress toward goals, led to overall success of both students getting into a Doctor of Physical Therapy program.
- Performed administrative duties such as leading monthly meetings, marketing to businesses and physician offices, and displayed services at vendor expos for community outreach.

Education

Computer Languages Diploma, Des Moines Area Community College, Carroll, IA – 2022 – 2023

Bachelor's degree in Kinesiology and Exercise Science, Grand View University, Des Moines, IA – 2018 – 2019

Associate in Applied Sciences for Physical Therapist Assistant, North Iowa Area Community College, Mason City, IA – 2012-2014

Des Moines Area Community College, Boone, IA – 2010 – 2012

Certifications

Java Application Developer, Des Moines Area Community College | 2023

C# Developer, Des Moines Area Community College | 2023

AWS Cloud Fundamentals, October(2024)