Hussein Hazimeh

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Education

Lebanese University	Bachelor of Science in Computer Science
	2021-2024

Projects

- **Pet Adoption System** | *NET (Desktop Application), PHP, SQL Server, HTML/CSS*
  - Demonstrated the ability to develop and integrate both desktop and web applications, showcasing versatility in .NET and PHP technologies.
  - Utilized advanced SQL queries and data management techniques to optimize performance and handle complex operations.
  - Provided a comprehensive simulation of user and admin interactions, enhancing understanding of real-world application scenarios

- **MERN Goal Setter Backend** | *Node.js, Express.js, MongoDB, React*
  - Developed the backend of a goal-setting application using Node.js, Express, and MongoDB.
  - Ensured data integrity and security through validation and middleware.
  - Implemented user authentication with JSON Web Tokens (JWT) to secure endpoints.
  - Created RESTful APIs for goal creation, tracking, and management

- **Serverless Blog Audio Converter |** *AWS*
  - Built a serverless application using AWS to convert blog posts into MP3 files with multilingual support via Amazon Polly.
  - Developed RESTful APIs using Amazon API Gateway for frontend communication and Lambda functions for backend logic.
  - Utilized S3 for storing MP3 files and provided users with downloadable links for their converted posts.
  - Automated deployment with CloudFormation, allowing for scalable, repeatable infrastructure management.
  - Enhanced security through IAM roles and fine-grained policies, safeguarding access to resources.

- **Custom Shell |** *C, Unix*
  - Developed a simple yet functional custom shell in C that supports command execution, built-in commands, input/output redirection, and background processes.
  - Implemented signal handling, and optimized memory management for user inputs and command parsing.
  - Created a detailed article tutorial explaining the step-by-step process of building the shell, which is available on Dev.to and GitHub.

Skills

Languages: Java, C, C#, JavaScript, HTML/CSS, Bash
Frameworks: Node.js, JUnit, ASP.NET, JavaFX
Databases: MySQL, MsSQL, MongoDB
Developer Tools/IDEs: Git, Docker, AWS, VS Code, Visual Studio, Android Studio, IntelliJ, Eclipse, Postman

Certifications

- AWS Certified Cloud Practitioner   *July 16, 2024*