

ESFAR MOHAMMAD

+1-561-377-4741 | esfar500@gmail.com | mohammadeimmam.github.io | LinkedIn Profile

EXPERIENCE

Deloitte 2024–Present
Solution Analyst, System Design and Engineering Lake Mary, FL
– Engineered **ETL pipelines** for a large-scale government data warehouse, integrating 10+ departmental sources and **reducing report generation time by 40%**. Designed and optimized **SQL queries** powering 200+ monthly OAS reports with high accuracy and reliability.
– Conducted **impact analysis** for a new facility, assessing dependencies across mission-critical IT systems and evaluating SQL/reporting workflows to ensure modernization readiness and business continuity.
– Leveraged **AWS cloud services**, advanced SQL query tuning, and GitHub Copilot to enhance scalability, improve code quality, and accelerate agile delivery of enterprise solutions.

University of Florida, Enrollment Management, IT 2021–2024
Software Engineer, FWS Position Gainesville, FL
– Built an **Organizational Chart web app** with live data integration and admin controls (JavaScript + PHP), deployed to 300+ staff members.
– Developed a **Phone Speed Dial Management System** (PHP/MySQL) for 300+ phones, streamlining communication and **boosting operational efficiency by 25%**.
– Created a **Dynamic Email Signature Generator** (JavaScript + PHP) that auto-adapts templates with user data, enabling 300+ faculty/staff to easily generate branded signatures.

Tow-2-Tow 2022
Software Engineer Intern Gainesville, FL
– Co-developed a scalable tow-service application in **Flutter (BLoC pattern)**, modeled after ride-hailing apps.
– Improved code modularity and reusability, enhancing delivery speed for core business logic in a production environment.

PERSONAL PROJECTS

PLC Language Compiler 2023
Java / UF Course Project
– Built a compiler for a custom programming language, implementing **lexical analysis, parsing, type checking, and code generation**, including control structures and image-processing operations.
– Demonstrated strong system design by building a modular architecture that could be extended with additional language features.

Emote-It 2021
MERN Stack Social Platform
– Developed a full-stack communication app using **MongoDB, Express, React, Node.js** with REST APIs, authentication, and scalable NoSQL data models.
– Reinforced backend expertise in event-driven programming and gained practical experience in **scalable API design and database modeling**.

TECHNICAL SKILLS

Languages: Java, C++, C#, Python, JavaScript, PHP, SQL
Backend: Node.js, .NET Core
Frontend: React, JavaScript, Flutter
Databases: OracleDB, MySQL, MongoDB, Firebase
Cloud: AWS (ETL, deployment, scaling)
Tools: Git, Visual Studio, JetBrains IDEs, Unity, Docker

CERTIFICATIONS

Deloitte Internal Certifications: GitHub Copilot Coder, Python Engineer, Java Backend Developer, AWS Cloud Engineer

EDUCATION

University of Florida Aug 2021–May 2024
B.S. in Computer Science, Minor in Digital Arts and Sciences Gainesville, FL

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Computer Science I & II
- Enterprise Software Eng.
- Intro to Machine Learning
- Computer Network Fundamentals
- Information and Database Systems