

Saad Amawi

Saadamawi22@gmail.com | <https://github.com/SaadAmawi> | LinkedIn: Saad Amawi | +971 56 445 0990

EDUCATION & CERTIFICATIONS

Abu Dhabi University – Software Engineering BSc

June 2024

- **Relevant Coursework:** Software Engineering, Data Structures and Algorithms, Software Maintenance and Evolution, Software Testing and Quality, Database Management Systems, Software Requirements Specifications, Ethical Hacking, Operating Systems

AWS Certified Cloud Practitioner

August 2024

AWS Solutions Architect Associate

Oct 2024

Cisco Cybersecurity Essentials

November 2023

TECHNICAL SKILLS

Java • JavaScript • React • AWS • Express.js • Dart • Flutter • PostgreSQL • Python • RDBMS • Node.js • Spring Boot • Flask • REST APIS • Typescript • MongoDB • TensorFlow • Scikit-Learn • Postman • GitHub • Auth(JWT/OAuth 2.0) • Pinecone • Salesforce API • N8N • Bubble.io • Microsoft Graph • CloudFront • DynamoDB •

WORK EXPERIENCE

Nasr Esports

AI Automation Engineer (Contract)

October 2024 – January 2025

- Spearheaded **two concurrent projects**, demonstrating **multitasking** and **leadership** abilities in a fast-paced environment
- Managed **API endpoints**, integrating **AI/ML pipelines** for automated decision-making.
- Developed **automation workflows** that **optimized** and **automated** business requirements.

Abu Dhabi University

Software Engineer - Integration Developer (Full-Time)

January 2025 - Current

- Built a **faculty document management system** with real-time employee data sync and automated SharePoint folder structure creation. Developed front-end application enabling document uploads with automatic database storage and SharePoint as a backup, reducing **manual processing by 30%** and establishing **dual-storage backup system**.
- Built automated **lead sync pipeline** using **LinkedIn Lead Sync API** with 30-minute CRON jobs, **DynamoDB** deduplication, and UTM tracking; eliminated manual imports and **improved lead-to-opportunity conversion rates**.
- Architected document ingestion pipeline from Google Drive through chunking/embeddings (OpenAI) to vector indexing (Pinecone), delivering **RAG chatbot responses**. Implemented robust handling of malformed inputs, significantly reducing instructor support burden.
- Developed **webhook-based PDF parsing** with LLM-driven scoring and feedback returned synchronously to front end. Digitized and automated organizational hiring processes, streamlining first-pass candidate screening and **modernizing recruitment workflows**.
- Architected **two separate payment gateways** with enterprise-grade security protocols. Built international student payment system for study abroad programs and comprehensive military student fee management platform—including admin tools for fee assignment, discount application, and installment configuration—creating the organization's **first online payment capability** for military personnel.
- **Introduced automated testing frameworks and security audit tools** into the development lifecycle, significantly strengthening code quality and application security. Proactively **identified and patched multiple vulnerabilities**, substantially reducing overall system risk exposure.

PROJECTS & RELEVANT EXPERIENCE

MemorEyez | React.js, Node.js, Flutter, Dart, Unity, C#, Flask, PostgreSQL

September 2023 – June 2024

- Developed a scalable **backend system supporting** real-time **data processing** and **API communication**.
- Built VR experiences using Unity, leveraging **KNN** and **SVM** machine-learning models for personalized cognitive exercises and patient mental state predictions.
- Crafted a cross-platform mobile app and dashboard using **Flutter** for patient monitoring and caregiver support
- Deployed the application on AWS using **native AWS services** such as **S3**, **CloudFront**, **Route 53**, and **AWS WAF**
- Collaborated closely with neurologists from **Cleveland Clinic** to align the system with medical best practices.