

Alessio Naji-Sepasgozar

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OBJECTIVE:

Motivated computer science graduate aiming to apply leadership, adaptability, and technical skills in a Software Engineering role within a dynamic organization.

TECHNICAL SKILLS:

- **Programming Languages:** C++, Python, Java, C#, SQL, PHP, R, JavaScript, TypeScript, HTML, CSS
- **Frameworks & Libraries:** Django, Flask, .NET, Spring Boot, React, Angular, Node.js, Bootstrap
- **Databases:** PostgreSQL, MySQL, MongoDB, SQLite
- **Data Science & Machine Learning:** Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, TensorFlow, Keras, PyTorch, Natural Language Processing (NLP), Neural Networks, Transformers, Exploratory Data Analysis, Statistical Modeling
- **Data Visualization & BI Tools:** Power BI, Tableau, Advanced Microsoft Excel
- **DevOps & Cloud:** Shell Scripting, Linux (Ubuntu, Red Hat), AWS, Azure, Kubernetes (K8s)
- **Software Methodologies:** Agile Development, Version Control (Git), Unit & Integration Testing, SDLC
- **Systems & Architecture:** Microservices, RESTful API Development, API Gateway Design, Containerization (Docker), CI/CD, Distributed Systems, Authentication & Authorization (JWT, OAuth2)
- **Certifications:** AI & LLM Certification (Connectando), Azure Fundamentals, AWS Cloud Practitioner

EXPERIENCE:

Technical Projects and Leadership Experience:

LEADER OF SUPPLEMENTAL INSTRUCTION - COMPUTER SCIENCE, UNIVERSITY OF HOUSTON - DOWNTOWN.

Fall 2022 – Present

- **Engineered** a microservices-based stock portfolio platform using Spring Boot, Docker, and Kubernetes, featuring dynamic investment listings, secure transaction processing, and real-time position updates via RESTful APIs; accelerated deployment frequency from monthly to weekly through CI/CD automation.
- **Built** a machine learning sports prediction algorithm using Scikit-learn and TensorFlow to analyze historical player data and game outcomes, achieving 72% prediction accuracy for betting outcomes.
- **Applies** Agile methodologies in departmental team-based software projects, simulating real-world software development lifecycles and sprint planning.
- **Developed and tested** a video game titled *FabledKnights* in C++ using the Unity Game Engine. Employed rigorous unit testing and debugging to ensure runtime stability and performance.
- **Engineered** a smart irrigation system using Verilog on an FPGA platform. The system utilizes moisture sensors to automate plant watering based on real-time data.
- **Implemented** a full-stack job application tracker using C#, ASP.NET Core Web API and Angular, implementing JWT-based authentication, role-secured endpoints, and SQLite-backed persistence

Work Experience:

T-Mobile, 5684 Highway 6 S, Missouri City, TX 77459

Lead Repair Technician and Sales Team Lead, July 2019 – Present

- **Manages** a team of technicians to diagnose and repair issues with phone hardware and software systems.
- **Oversees** hardware repairs in a rapidly changing technological environment while maintaining a customer satisfaction rate of 97%.
- **Awarded** Salesperson of the Year in 2022 by using sales data to predict customer trends.
- **Directs** and trains new employees, resulting in a 46% decrease in turnover rate.

EDUCATION:

University of Houston – Downtown, Houston, TX

Bachelor of Science in Computer Science, Summa Cum Laude — May 2025

GPA: 3.83 (Cumulative), 4.0 (Major)