

Alessio Naji-Sepasgozar

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PROFESSIONAL SUMMARY:

Full-stack Software Engineer and ML Developer with experience building scalable cloud-native apps and deploying ML models. Skilled in microservices, CI/CD, and cloud platforms like AWS and Azure. Proven leader in cross-functional teams, delivering high-quality code. Seeking a role in applying technical and analytical strengths to real-world solutions.

TECHNICAL SKILLS:

- **Programming Languages:** C++, Python, Java, C#, SQL, GO, R, JavaScript, TypeScript, HTML, CSS
- **Frameworks:** Django, Flask, .NET, Spring Boot, React, Angular, Node.js, Bootstrap, FastAPI
- **Databases:** Relational Databases, PostgreSQL, MySQL, MongoDB, SQLite
- **ML & Data Science:** Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, TensorFlow, Keras, PyTorch, Natural Language Processing (NLP), Transformers, Exploratory Data Analysis, Statistical Modeling
- **DevOps & Cloud:** Terraform, Linux, AWS, Azure, Kubernetes (K8s), CI/CD, Version Control (Git), Docker
- **Concepts:** Microservices, RESTful API Development, JWT & OAuth2 Authorization, SDLC, Agile, Unit Testing
- **Tools:** Power BI, Tableau, Advanced Microsoft Excel, Shell Scripting, Prompt Engineering
- **Certifications:** AI & LLM Certification, Azure Fundamentals, AWS Cloud Practitioner

PROFESSIONAL EXPERIENCE:

Allied Welding Systems, Dallas, TX — *Software Engineering Intern — July 2025–Present*

- **Engineered** a FastAPI + PostgreSQL quote tracker for engineered wear parts, cutting quote turnaround by 46% and reducing lost requests by 37%.
- **Implemented** a job package vault to tag and retrieve 3D scan outputs, drawings, and revisions, reducing rework and improving first-fit installs by 22%.
- **Dockerized** and deployed internal apps with CI/CD pipelines, adding audit logs and role-based permissions for engineering/office users.

Leader of Supplemental Instruction, University of Houston—Downtown — *Fall 2022–Present*

- **Facilitates** peer-learning sessions for computer-science courses, boosting student retention and comprehension rates.
- **Collaborates** with faculty to develop lesson plans and provide academic support for 30 students per session.

TradeMind — *Full-Stack Engineer — Java, Spring Boot, Docker, Kubernetes, REST API, AWS*

- **Designed** a microservices-based portfolio management platform using Spring Boot, Docker, and Kubernetes.
- **Created** RESTful API endpoints for real-time transaction updates and deployed services on AWS to ensure scalability and reliability.
- **Incorporated** automated CI/CD pipelines using GitHub Actions and Kubernetes deployments.

DebateAI — *AI Developer & Full-Stack Engineer — React, Python, FastAPI, LangChain, XTTs*

- **Built** an interactive AI debate simulator with React, FastAPI, and LangChain, enabling users to engage with historical and contemporary personas.
- **Developed** a modular backend with FastAPI and voice synthesis to generate character speech and implemented retrieval-augmented generation (RAG) for context-aware responses.
- **Integrated** knowledge grounding and automated transcript summarization to enhance user experience.

UKNOWBALL — *Machine-Learning Engineer — Python, Scikit-learn, TensorFlow, Pandas, NumPy*

- **Trained** predictive models using Scikit-learn and TensorFlow to forecast NBA outcomes with 72% accuracy.
- **Orchestrated** rolling-window features from historical game statistics and performed hyperparameter tuning.
- **Deployed** an end-to-end data pipeline in Pandas/NumPy to clean raw stats, handle missing values/outliers, normalize features, and generate training sequences for time-dependent prediction tasks.

EDUCATION:

University of Houston – Downtown, Houston, TX

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

GPA: 3.83 (Cumulative), 4.0 (Major)