

# Abdallah Hwishel

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Phone: 056-866-4800

Visa: UAE Resident

Nationality: Egyptian



## PROFESSIONAL SUMMARY

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Results-driven Software Engineer with expertise in backend and full-stack development. Skilled in leveraging advanced technologies like large language models and cloud services to design AI-driven applications, enhance performance, and deliver scalable, secure solutions. Proven success in developing innovative tools across diverse industries.

## WORK EXPERIENCE

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### **SellAnyCar.com**

#### **Software Engineer**

*Al Quoz 3, Dubai, UAE*

**May 2025 - Present**

- Developed and deployed end-to-end agentic solutions to automate customer touchpoints, optimizing resource allocation and scaling the conversion-led support architecture.
- Worked with the CEO to design and deliver accessible AI solutions for car dealerships, improving accuracy and speed for inspectors and buyers.
- Built and scaled APIs and SDKs for integrating AI models and agentic systems that automate customer touchpoints across our BuyAnyCar social platform.
- Implemented a modular prompt building service that increased prompt production rate for our AI agents by 50%.
- Designed and maintained scalable backend services for a car scanning system that integrates large language model capabilities to automate detail identification and improve operational speed by 40%.
- Architected and scaled APIs to support real-time chat functionality and WhatsApp integration across multiple applications to ensure seamless communication between buyers and sellers.
- Enhanced legacy CRM systems and optimized database performance by 30% to ensure high availability and improved efficiency for inspectors and dealers.
- Implemented social networking features within the BuyAnyCar application, enhancing user engagement and retention.
- Strengthened platform security and operational health by resolving critical vulnerabilities and implemented API rate limiting to prevent brute-force attacks.
- Authored comprehensive technical documentation and system architecture diagrams, reducing onboarding time for new hires.
- Collaborated with product managers and designers to translate ambiguous requirements into technical specifications for high-impact initiatives.

## PMG

### Backend Software Engineer

*Dallas, Texas, USA*

**June 2023 – December 2024**

- Designed and maintained scalable backend services for a software lifecycle analysis tool that integrated real-time data analytics to increase team efficiency by 25%.
- Identified and resolved a critical bottleneck in our cataloging module by implementing message queues using AWS SQS, improving system throughput by 40%.
- Engineered AI-driven applications that leverage large language models, AWS Bedrock and Langchain, streamlining data processing tasks and enabling personalized user experiences, which improved marketing campaign targeting and customer engagement by 30%.
- Implemented rigorous maintenance routines and industry best practices for quality assurance to ensure high availability and reduce system downtime.
- Mentored new team members on best practices for Python and FastAPI, resulting in quicker onboarding and increased delivery velocity.
- Optimized database schemas and queries to ensure low latency and a 20% increase in data retrieval speed for client-facing applications.
- Strengthened the backbone of application governance by integrating authentication protocols and security best practices to ensure an auditable and secure production environment.

## ESSIC

### Full Stack Software Engineer

*Rockville, Maryland, USA*

**November 2021 – May 2023**

- Built a dynamic management dashboard for crop planning and weather forecasting using React and Material UI.
- Developed interactive data visualizations that improved data processing efficiency for users by 30% and greatly improved resource allocation.
- Designed responsive widgets to display real-time meteorological data across mobile and desktop devices.
- Automated real-time data updates via websockets, ensuring users have access to the most current forecasts.
- Integrated multiple third-party APIs to fetch and sync live weather and agricultural data.

## EDUCATION

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### University of Maryland

**College Park, Maryland**

Bachelor of Science in Computer Science

Minor in Technology Entrepreneurship

## TECHNICAL SKILLS

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**Programming Languages:** Python, Javascript, PHP

**Frameworks:** Flask, Django, FastAPI, Langchain, LlamaIndex, Laravel, Express.

**Databases and Cache:** PostgreSQL, MongoDB, MySQL, Google BigQuery, Redis

**Source Control:** Github, Gitlab

**Container Management:** Docker

**Cloud Services:** AWS, GCP

**Languages Spoken:** Native English and Arabic