Ali Hassan
Software Engineer | Creative Technology Director

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SUMMARY

Remote-first Software Engineer and Full Stack Developer with experience building scalable web applications and validating AI-generated code. Proficient in Python, TypeScript, and React with a strong focus on system architecture and RESTful API integration. Proven ability to work in distributed teams to benchmark algorithms, ensure technical accuracy, and deliver high-quality software solutions.

WORK EXPERIENCES

Creative Technology Director at BIN ASSAF   Jan 2026-Present
• Cairo, Egypt
- **Provided creative direction** for visual content and brand strategy.
- **Executed professional photography** and videography production.
- **Integrated Generative AI** technologies to enhance creative output, including benchmarking algorithms to creative correctness and technical consulting solutions, ensuring scalability web applications and implementation feasibility.
- **Optimized project delivery** and efficiency through technical process improvements, leveraging Agile methodologies within a cross-functional team structure.

Data Analyst Intern at Khatib & Alami   June 2024-Aug 2024
• Cairo, Egypt
- **Assisted in data collection, cleaning, and GIS analysis**.

FREELANCE

Full-Stack Developer at FAN-FIX   Contract 2025
Deliverables:

- **Developed a scalable QR-enabled web platform for secure user verification using React and Python Back-end services.**
- **Designed a creative UI/UX to bridge physical scans with digital content.**
- **Implemented "scan-to-access" logic to gate exclusive information, conducting extensive debugging for complex edge cases.**
- **Integrated geolocation features to reveal specific location data upon success.**
- **Engineered the system architecture to handle real-time QR processing, integrating RESTful APIs and focusing on security correctness.**
- **Streamlined the user journey from physical QR code to digital interface, creating detailed technical documentation to support deployment.**

Full-stack Developer at TFP MODELS   Contract 2025
Deliverables:

- **Architected a scalable full-stack SaaS platform using Supabase, focusing on system architecture with secure multi-role authentication.**
- **Engineered a live booking system featuring instant availability updates and embedded video conferencing capabilities.**
- **Integrated one-click email automations to streamline booking confirmations and transactional notifications.**
- **Built real-time communication tools, including in-app messaging, collaborating with a distributed team to design and ship features using TypeScript.**
- **Developed automated lead tracking pipelines, validating algorithms for data capture technical accuracy and correctness.**

Creative Producer with MSFTS & Maddi Town Records   Contract 2022-2025

- **Collaborated with artists and producers on content creation.**
- **Managed production timelines, delivering 6 albums covers.**

EDUCATION

Bachelor of Computer Science   2022 - 2025
Faculty of Computer Science Arab Academy for Science, Technology &
Maritime Transport.   Cairo, Egypt

Dual Degree Program with the University of Northampton.   United Kingdom

GPA: 3.1 – (V.Good)

SKILLS

- programming language : C++ , C#, JavaScript, React, NodeJS, Python
- AI & Tools: Antigravity IDE, AI Agent Frameworks, Automation Scripting
- familiar with S.O.L.I.D principles
- Good at Object-Oriented Programming (OOP)
- API Integration
- MCP

- familiar with Agile approach
- Version control systems (e.g., Git)
- Proficient in Word, PowerPoint and Excel
- Proficient at React (web development - front end)
- Database Management
- Good at using Figma tool for UI/UX design

LANGUAGES

- Arabic Mother tongue.
- Proficiency in English.