AHMAD YOUSIF ZUHAIR

JUNIOR AI OPS ENGINEER

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Professional Summary

Dedicated Junior AI Ops Engineer with experience in AI-powered solutions, circuit design, and project management. Proficient in developing tailored AI tools, hardware troubleshooting, and programming using Python, C++, React js, angular, typescript, C, java script, and Java. Bilingual in English and Arabic, with a strong focus on innovation, problem-solving, and continuous learning to drive impactful results in technology and engineering.

Professional Experience

Junior AI Ops Engineer

Devan & Company
September 2024 – Present

- AI-Powered Solutions: Developed an innovative AI-driven story generator for dynamic storytelling that seamlessly integrates generated images to align with narrative themes.
- Model Optimization: Fine-tuned machine learning models for various use cases, significantly improving performance, scalability, and workflow automation.
- Project Management Contributions: Enhanced a project management application by designing and implementing intuitive features, leading to improved user experience and efficiency.
- Android Application Development: Utilized Angular and Ionic frameworks to develop an Android application for real-time data visualization, successfully integrating modern UI/UX principles.
- Chatbot Solutions: Designed and deployed a chatbot application for a pet air travel company to streamline customer inquiries and provide personalized booking assistance, resulting in improved user satisfaction and reduced response time.
- Mini-Agent Development: Leveraged TypeScript to build a suite of 40+ specialized mini-agents that perform diverse tasks, including automated blog generation for social media platforms such as Facebook. These agents improved content creation speed and accuracy for marketing campaigns.
- Social Media Content Generators: Created tailored Key Opinion Leader (KOL) post generators to deliver customized, high-impact content for social media, boosting engagement and reach.
- Model Customization: Successfully customized and deployed state-of-the-art models, including Llama (3.1, 3.2), OpenAI models, Groq, SmallLM, Pythia, and Qwen, ensuring alignment with specific project requirements and business goals.
- Cross-Functional Collaboration: Worked closely with multidisciplinary teams to design, develop, and implement AI-powered solutions, fostering a culture of innovation and collaboration.

Technical Assistant

Asia Pacific University
June 2022 – December 2022 (6 months)

- Technical Support: Provided exceptional customer service at the help desk, assisting teachers, staff, and students with troubleshooting issues related to computers, internet connectivity, and general IT inquiries.
- Classroom Issue Resolution: Efficiently resolved technical issues during ongoing classes, ensuring minimal disruption to the flow of lessons and maintaining a seamless learning experience.
- System Maintenance: Performed daily checks and maintenance on university computers to ensure compliance with institutional standards, proactively identifying and addressing potential issues before they arose.
- Workshops and Training: Attended hardware and software workshops to enhance technical knowledge and skills, staying updated with emerging technologies and best practices.
- Equipment Management: Maintained and ensured the functionality of projectors, screens, cables, and other lab and classroom equipment, supporting a high-quality educational environment.
- Team Collaboration: Participated in weekly general meetings to reflect on past performance, address challenges, and collaboratively plan tasks for the upcoming week, fostering a culture of continuous improvement.
- Hardware and Software Setup: Assisted in the setup, maintenance, and troubleshooting of lab computers and hardware components, ensuring optimal performance for students and staff.

Projects

Inventory Management System (Python, C Programming)
- Designed a real-time inventory tracker with a secure login system and an intuitive interface for seamless monitoring.
- Implemented advanced error handling and data validation processes to ensure accurate data and reliable system operation.

Shopping Application (Java, C++)
- Developed a dynamic shopping cart system integrated with secure payment processing, ensuring seamless transaction flow.
- Created user-friendly interfaces with robust account management features, including registration and profile updates.

Designing a Seven-Segment Display Circuit
- Designed circuit displays using Boolean expressions and conducted simulations utilizing Multisim for precision validation.
- Debugged, optimized, and built the physical circuit, achieving a reliable performance standard for educational purposes.

Short-Format Video Generator for Social Media
- Developed a short-format video generator targeting platforms like Instagram Reels, LinkedIn Shorts, and TikTok.
- Automated video creation using tailored AI models to match platform-specific dimensions, duration, and audience preferences.
- Enhanced engagement by integrating dynamic captions, transitions, and customizable themes to suit diverse marketing needs.

AI-Powered Chatbot for Pet Air Travel Company
- Designed and deployed a chatbot application to handle customer inquiries and booking processes for a pet air travel company.
- Improved user satisfaction and reduced response times by providing personalized assistance and automating repetitive queries.

KOL Post Generator for Social Media
- Built a generator for Key Opinion Leader (KOL) posts to deliver tailored, high-impact content for social media campaigns.
- Enhanced engagement through automated AI-driven content creation, boosting the efficiency of marketing campaigns.

Mini-Agent Suite for Task Automation (TypeScript)
- Created a collection of 40+ mini-agents for task-specific automation, including social media blog writing and content scheduling.
- Improved productivity by automating repetitive tasks, enabling faster and more efficient workflows.

Web Development Projects (HTML, CSS, ReactJS, Angular)
- Designed and developed websites for various purposes, including a personal portfolio to showcase career achievements and artistic creations.
- Built dynamic, responsive interfaces using ReactJS and Angular, ensuring optimal user experiences across devices.
- Incorporated advanced features like custom animations, interactive elements, and seamless navigation to create engaging websites.

Education

Bachelor's of Computer Engineering
De Montfort University (United Kingdom)

High School/ High School Diploma
High School Diploma
Madinat Al Oloum (Saudi Arabia)

IELTS Academic UKVI (Score of 7)
Certifications
- *IELTS Academic (UKVI) – Score: 7*

Skills

Technical Skills:
- Programming: Python, C++, Java, MATLAB, C, React.js, Java script, angular, ionic, typescript.
- Software: SolidWorks, Adobe XD, Multisim, LabView, Visual Studio Code
- Hardware: Circuit Design, Hardware Setup and Maintenance

Soft Skills:
- Team collaboration and project management
- User interface and experience design
- Strong analytical and problem-solving abilities