

Ahmed Al-Mansori

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SKILLS

C | C# | C++ | JavaScript | Java | SQL | React | TypeScript | HTML | CSS | Node.js | REST APIs | Vue.js | JQuery | AJAX | Python | Azure | Ubuntu | DevOps | Test-driven Development | Tailwind.css | Git | GitHub | Gcov | Selenium | Cobertura | Agile | American Fuzzy Lop | EvoSuite | CodeSonar | MongoDB | Docker | Gemini | AWS | MS365 | Software Engineering

Certification : AWS Certified Cloud Practitioner (April 2025 - April 2028)

EDUCATION

University of Michigan | Ann Arbor, MI

Bachelor of Science in Computer Science, (August 2021 - Dec 2024)

Coursework: Cloud Infrastructure, Machine Learning, Software Engineering, User Interface Development, Cryptography.

WORK EXPERIENCE

Outlier | Remote (United States)

Contract AI Software Engineer, (March 2024 – Current)

- Diagnosed critical issues in AI model outputs, delivering actionable insights that improved code accuracy and reduced error rates by 30% across four key logic areas, supporting iterative model refinement for real-world use.
- Authored and submitted over 90 technical feedback reports, identifying flaws in AI-generated Java and Python code while contributing to model performance tuning and long-term innovation across multiple LLM platforms.
- Identified and resolved 35+ faulty outputs in AI code by debugging issues in async logic, state handling, and backend data flow—enhancing overall stability in JavaScript and Node.js solutions.

Sports Media Inc | Severance, CO

Software Engineer Intern, (August 2023 - December 2023)

- Developed and deployed a fully responsive website using React, Node.js, and Bootstrap, optimizing UI components and improving overall user engagement through enhanced performance and design.
- Applied test-driven development principles and implemented continuous integration workflows to ensure stable deployments, reducing post-deployment bugs by 40% and maintaining high code reliability across releases.
- Engineered 12+ automated integration tests to validate core site functionality, achieving over 85% test coverage with Cobertura and reinforcing long-term application stability.

Best Buy | Dearborn, Michigan

Customer Service Representative, (January 2020 - October 2021)

- Assisted dozens of customers daily, providing guidance on computer hardware components such as CPUs, GPU, motherboards, and storage solutions, while developing strong problem-solving and customer service skills.

PROJECTS

ImageWizard | AI-Powered Image Generator | <https://imagewizard.netlify.app/>

- Built a full-stack AI image generation web app using React, Node.js, and MongoDB, leveraging OpenAI's API for prompt-based image creation and integrating Cloudinary for efficient media storage and delivery.
- Deployed a scalable solution with Netlify (frontend) and Render (backend), streamlining asynchronous workflows and enabling seamless user interaction with real-time image rendering features.

Unmute | Voice Transcription App | <https://unmute-ik5n.vercel.app/>

- Led the development of a web app using Symphonic Labs API to analyze non-verbal lip movements, generating real-time speech and captions from input videos to enhance accessibility.
- Designed an MVP using Agile principles, iteratively testing with over 20 deaf and hard-of-hearing users to ensure the app enabled communication via lip movements before final publication.

ABSA Network Website | <https://www.absanetwork.com/>

- Engineered a scalable full-stack web application using JavaScript (React/Node.js) and RESTful APIs, launching interactive donation and Q&A features to enhance user engagement and functionality.
- Built backend systems and SQL models to support scalable features and stable database connectivity.