

Ahmed Ali

Software Engineer

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Summary

Software Engineer with a B.S. in Computer Science and a background spanning full-stack product development, quality engineering, and AI systems evaluation. I build reliable, well-tested, and accessible web applications end to end, and bring a dual perspective from both shipping features and ensuring the correctness of what gets shipped. I actively leverage AI-assisted development tools and have hands-on professional experience working with large language models. I thrive in fast-moving environments and care deeply about the impact of the software I build.

Technical Skills

Languages: TypeScript, JavaScript, Python, HTML, CSS, Node.js, Go, Java, C#, C++, SQL, NoSQL

Frameworks: React, Next.js, Vue.js, Redux, TanStack Query, Tailwind CSS, Vite, WCAG 2.x

Testing & Quality: Cypress, Playwright, PyTest, Appium, TestRail, Unit Testing, Integration Testing, Regression Testing, A/B Testing

Observability & Tools: Postman, DataDog, Sentry, Git, GitHub, Jenkins CI/CD, Docker, AWS, Azure, Google Cloud Platform, Vercel, Jira, Agile/Scrum

Experience

DataAnnotation - Remote

Jan 2024 - Present

AI Data Specialist - Independent Contractor

- Boosted model output accuracy by 25% across **ChatGPT, Claude, Copilot, Cursor, and Gemini** by evaluating AI-generated code patches against strict engineering rubrics covering correctness, observability, and accessibility standards across **TypeScript, JavaScript, and Python** codebases.
- Cut **LLM** hallucination rates in generated **Node.js** and **Python** code by identifying edge case failures and producing structured feedback reports that directly informed model retraining cycles across multiple platforms.
- Accelerated **LLM** performance on full-stack engineering tasks by applying zero-shot and chain-of-thought prompt engineering, enabling more reliable code generation across diverse front end and backend workflows.
- Strengthened model alignment with real-world development patterns by cross-referencing AI outputs against best practices for **A/B Testing**, feature flagging, and experiment-driven engineering workflows.

Skintrix AI - Remote

Nov 2025 - Dec 2025

Software Engineer - Intern

- Shipped a consumer-facing full-stack AI web application achieving a 98% prediction confidence score by architecting a **Next.js** and **Node.js** backend integrated with **OpenAI Vision API** and **RESTful Google Cloud Functions** endpoints.
- Elevated UI accessibility and cross-device consistency across 100% of user-facing screens by implementing **WCAG-compliant semantic HTML**, responsive **Tailwind CSS** layouts, and accessible **React** component patterns.
- Engineered a reusable typed **React** component library with **TypeScript** interfaces, applying **Redux** state management for predictable data flow and reducing code duplication across the application.
- Unlocked production observability by instrumenting **RESTful** API endpoints with structured logging and monitoring, supporting data-driven decisions across the full development and deployment lifecycle.

Platform Science - San Diego, CA

Jun 2023 - Nov 2023

Software Development Engineer in Test

- Cut post-release defects by 30% across a compliance-critical fleet management platform by triaging defects through **TestRail** and deploying automated test suites via **Jenkins CI/CD** pipeline covering web (**TypeScript, Vue.js, Cypress**) and Android mobile (**Python, PyTest**) platforms.
- Eliminated 25% of critical user errors by instrumenting manual testing coverage for fringe cases outside automation scope and monitoring production behavior using **DataDog** to surface error patterns and regressions.
- Streamlined the codebase by 20% by leading migration analysis from a deprecated testing framework to **TypeScript** and **Cypress**, establishing modern testing patterns and improving long-term maintainability.
- Accelerated release confidence by integrating automated regression and integration test suites into a **Jenkins CI/CD** pipeline, enabling consistent and reliable software delivery across all customer-specific build configurations.
- Delivered quality improvements consistently by participating in **Agile/Scrum** ceremonies including standups, sprint planning, backlog refinement, and retrospectives using **Jira** to manage team-wide deliverables.

Education

California State University San Marcos

Bachelor of Science, Computer Science