MOHMED VAID

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PROFILE SUMMARY

Full Stack Engineer with 5+ years in Fortune 500 and freelance roles, fusing AI and DevOps for scalable web apps and automation pipelines. Expertise in TypeScript, JavaScript, Python, Azure, OpenAI GPT models, and Copilot tools to deliver secure, end-to-end cloud workflows.

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript (ES6+), Python, HTML5, CSS3

Web & App Development: Node.js, Express, React, Redux, Next.js, React Native, RESTful APIs, GraphQL

AI & ML Tools: OpenAI GPT models (GPT-4/4o/5.x), GitHub Copilot, Microsoft 365 Copilot, LangChain, Hugging Face Transformers, Stable Diffusion, Whisper; rapid prototyping in Jupyter/Google Colab

Data & Storage: SQL, MySQL, MongoDB, Redis, Azure Synapse, Microsoft Fabric (lakehouse/warehouse)

DevOps & Cloud: Azure DevOps, Docker, Kubernetes, GitHub Actions, Jenkins, SonarQube, Dynatrace, JMeter

Testing & Automation: Jest, Mocha, Sinon.js, Cypress (basic familiarity), Postman

Security & Best Practices: OWASP Top 10, secure coding (authN/authZ, input validation, SQL injection prevention), code audits, DevSecOps pipeline integration

Collaboration & Tools: Git, Jira, Power BI, Smartsheet

Methodologies: Agile/Scrum, CI/CD, microservices architecture, data-driven development

TECHNICAL PROJECTS

Agentic Workflow Tool for Automation | GitHub: github.com/mohmedvaid/workflow-builder
- Agentic workflow builder for automating multi-step tasks and AI-powered pipelines.

Algorithm Visualizer | GitHub: github.com/mohmedvaid/algo-visualizer
- Interactive visualizer for classic algorithms and data structures to aid learning and interviews.

Shaker | GitHub: github.com/json-d3Rulo/shaker
- A web app for discovering new cocktails and drinks.

Spacetagram | GitHub: github.com/mohmedvaid/spacestagram
- Spacestagram helps users explore images from NASA across cities and towns.

EXPERIENCE

Software Engineer

Walgreens, Chicago, IL | 06/2022 – Present

- Built and shipped full-stack MERN/Next.js platforms on Azure with automated CI/CD, cutting release cycles by ~35% and automating ~90% of certificate renewal effort.
- Designed AI-powered chatbots and internal tools using OpenAI GPT-4, Microsoft Copilot, Stable Diffusion, and Whisper, automating internal support and content/voice workflows.
- Created agentic backend automations and developer productivity tools (Copilot-driven scripts, report generators, custom JMeter UI), reducing manual ops and scaling performance testing.

- Implemented SonarQube with automated onboarding via Azure Pipelines, driving adoption across multiple teams and improving code quality metrics by ~40%.
- Built Python data pipelines from Azure, Dynatrace, and other telemetry sources into Azure Synapse / Microsoft Fabric and Power BI, enabling org-wide analytics and monitoring.
- Resolved critical performance bottlenecks and Redis caching issues, stabilizing high-traffic applications and reducing downtime.
- Collaborated with product, UX, and QA in Agile teams to ship secure, compliant features end-to-end.

Automation Engineer
Americaneagle.com, Des Plaines, IL | 09/2019 – 06/2022

- Built and optimized Cypress and Selenium automation frameworks in JavaScript/TypeScript, integrated with Azure DevOps pipelines to reduce manual QA and support continuous regression / cross-browser testing.
- Designed and executed automated UI, API, and functional test suites from business requirements, increasing coverage and lowering regression defects.
- Performed multi-browser (Chrome, Firefox, Edge, Safari) and RESTful API validation, plus SQL-based backend data checks, ensuring end-to-end accuracy.
- Wrote unit tests with Mocha and Jest to catch issues earlier in the lifecycle and improve code quality.
- Collaborated with developers and product owners in Agile/Scrum teams, using Jira for defect tracking and prioritization to ship stable releases.

Full Stack Developer
Upwork (Freelance, Remote) | 07/2020 – 06/2022

- Delivered end-to-end web apps for global clients: responsive UIs (HTML/CSS/JS/jQuery) and scalable Node.js/Express backends with RESTful APIs and reusable integration modules.
- Designed MySQL and MongoDB schemas with optimized queries, improving reliability and cutting response times by up to ~40%.
- Integrated OpenAI GPT models and other AI APIs (text, image, voice) into client products, enabling smart chat interfaces, content generation, and interactive experiences.
- Prototyped AI features with Stable Diffusion (image generation) and Whisper (speech-to-text) to validate real-world use cases before full implementation.
- Implemented security best practices (authN/authZ, input validation, SQL injection prevention, OWASP Top 10) and performed code audits to harden client applications.
- Reduced page load times from 7+ seconds to under 2 seconds using async JS, caching, and query optimization, driving better UX and conversion.
- Wrote automated tests with Mocha, Jest, and Sinon.js and resolved critical bugs under tight deadlines, ensuring stable handoff-ready releases.

EDUCATION

Certificate in Full Stack Web Development

Northwestern University, Evanston, IL — (01/2021 – 07/2022)

Bachelor of Computer Science

Northeastern Illinois University, Chicago, IL — (06/2017 – 12/2021)