

Jarra Omar

Full Stack Engineer

jarraomar4@gmail.com | San Leandro, California

PROFESSIONAL SUMMARY

Full-stack engineer with 3+ years of experience designing and delivering custom integrations, AI-powered workflows, and end-to-end applications across low-code platforms and enterprise orchestration environments. Contributed at every stage of product development, including client discovery, requirements definition, architecture, implementation, integration, testing, CI/CD, and production deployment, while independently owning complete project lifecycles when needed. Delivered scalable systems across 30 client engagements and contributed to nearly doubling the company's portfolio of integration-ready client portals. Brings experience across AI/NLP, full-stack architecture, infrastructure, and client-facing solution design, with a demonstrated ability to move complex projects from concept to production.

Area of Expertise

Airtable, AWS EC2, AWS IAM, CI/CD Pipelines, CSS, Docker, Express.js, HTML, JavaScript, Kubernetes, LangChain, Linux Server Administration, LLM API Integration, MongoDB, n8n, Next.js, Nginx, Node.js, OpenAI API, Anthropic API, PM2, PostgreSQL, Project Management, Python, Quickbase, React, SQL, SSL and Certificate Management, Tailwind CSS, TypeScript, Vector Embeddings, Semantic Search, Workato, Zapier

PROFESSIONAL EXPERIENCE

Full Stack Engineer

CloudBase Services, Berkeley, CA

Full-Time, June 2023 - June 2026 | Independent Contractor, June 2026 - Present

- Architected and delivered end-to-end applications on low-code platforms across 30 client engagements, contributing at every stage of product development, including requirements gathering, system design, integrations, testing, and deployment. Independently owned complete project lifecycles when needed and worked directly with client stakeholders to translate operational requirements into technical solutions.
- Collaborated with four other developers on the company's first configuration-driven document-extraction initiative, building a Python pipeline that dynamically assembled prompts, restricted extraction to field-specific page ranges, grouped related fields into shared model calls, and implemented retry logic with per-document error isolation.
- Deployed the extraction pipeline across printed and handwritten documents of varying lengths, reducing average manual review time from five hours to approximately four minutes while providing confidence scores and source references for every extracted response.
- Implemented a Python search engine with tokenization, Porter stemming, TF-IDF relevance scoring, and PageRank based on a random-surfer transition model. Validated ranking calculations through unit tests against manually derived expected values.
- Engineered a resource-allocation platform with a custom constraint-optimization algorithm that balanced staffing requirements against employee availability. Developed a real-time scheduling interface that allowed clients to review, modify, and confirm schedule changes without manually recalculating assignments.
- Containerized and deployed client systems with Docker, creating reliable and repeatable infrastructure across client environments. This deployment approach supported the expansion of the company's portfolio of integration-ready client portals and established a foundation for scalable system delivery.

EDUCATION

Bachelor of Science in Computer Engineering | Brown University, Providence, RI

June 2024