

AHMAD MUSTAFA JEBRAN

Software Engineer | AI Applications, Solutions Engineering & Forward Deployment

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PROFESSIONAL SUMMARY

Software engineer and founder with experience delivering full-stack applications, AI-enabled workflows, analytics systems, and customer-facing technical solutions. Founded FireFly Stack LLC, serving 15+ paying business clients through recurring software, web, and support subscriptions. Combines hands-on engineering in Python, TypeScript, React/Next.js, APIs, databases, cloud deployment, and mobile development with customer discovery, solution architecture, demos, training, and end-to-end product ownership.

CORE SKILLS

AI & Integrations: Gemini API, LLM application integration, MCP servers, prompt/workflow design, ChatGPT, Claude, Codex

Languages: Python, TypeScript, JavaScript, SQL, C#

Full Stack & Mobile: React, Next.js, React Native, Expo, FastAPI, REST APIs, Tailwind CSS, Blazor

Data & Analytics: PostgreSQL, Supabase, Oracle, SQLite, Pandas, NumPy, Matplotlib, KPI reporting

Cloud & DevOps: Docker, Kubernetes/k3s, Linux, Cloudflare, Azure, GitHub Actions, Jenkins, CI/CD, local servers

Customer Delivery: Requirements discovery, solution architecture, technical demos, training, stakeholder communication, production support

PROFESSIONAL EXPERIENCE

Founder & Software Engineer | FireFly Stack LLC | Utah

02/2026 - Present

- Founded and operate a subscription-based software company serving 15+ paying clients; own discovery, scoping, architecture, development, deployment, SEO, client training, and ongoing support.
- Established monthly and annual recurring plans, with subscriptions ranging from \$50 to \$500 per month based on solution complexity and support requirements.
- Architecting a two-sided home-services marketplace with ZIP-code job discovery, provider quotes, customer approval, secure payments, job-status and image updates, and a 7% platform transaction fee; building web and React Native/Expo mobile experiences.
- Built business platforms including a real-time auction system for custom products and a car-rental solution with online booking plus internal fleet, customer, and operations management tools.
- Developing a Gemini-powered Dari/Pashto WhatsApp tax-intake assistant that gathers client information for tax professionals; built a reusable MCP server and API layer for additional business integrations.
- Launched websites and local SEO solutions that help small businesses establish digital presence, improve discoverability, and manage customer-facing information.

Full Stack Engineer & Data Analyst | Oxbow Academy | Mount Pleasant, Utah

10/2025 - Present

- Build and maintain locally hosted full-stack analytics tools using Python, SQL, TypeScript, local servers, and internal networks for 10-15 therapists, supervisors, coordinators, and behavioral health technicians.
- Delivered near-real-time client dashboards that transform daily behavioral and treatment data into actionable follow-up signals, helping clinical and support teams monitor progress and improve client processes.
- Automated manual data entry, assessment, and intake workflows so structured information becomes immediately available for analysis, reducing repetitive administrative work and improving data consistency.
- Designed secure relational data workflows for sensitive treatment information in a HIPAA-regulated behavioral health environment and provide analysis to the CEO, clinical leaders, and program stakeholders.
- Partner with therapists and program leaders to translate operational questions into data models, dashboards, reporting logic, and workflow improvements.

Full Stack Development Intern (Team Lead) | Snow College | Ephraim, Utah

06/2024 - 05/2025

- Led development of an internal IT portal for budget, inventory, and computer-replacement workflows using React, TypeScript, FastAPI, Oracle, and PostgreSQL.
- Replaced spreadsheet-based tracking with QR-enabled inventory workflows and real-time reporting, improving operational visibility across departments.
- Mentored 4 interns through onboarding, code reviews, and weekly milestones; coordinated development work and supported delivery quality.
- Presented 10+ product demonstrations to IT leadership and directors, trained primary users and the product owner, and translated stakeholder feedback into iterative releases.

Full Stack Developer | Bengamin | Utah

09/2024 - 05/2025

- Built and deployed an e-commerce platform with Square payment integration, authentication, order history, event management, and administrative dashboards.
- Developed backend data and reporting workflows supporting transaction monitoring, product management, and day-to-day operations.

EDUCATION

Bachelor of Science in Software Engineering - Snow College | Concentrations: Data Science, Web Development, and Entrepreneurship

2025

Master of Science in Engineering Management - Istanbul Kultur University

2021

Bachelor of Science in Biomedical Engineering - Izmir Katip Celebi University

2020