

Alan Fioretti

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Full-stack engineer focused on building reliable internal tools, automating workflows, and transforming complex data into clean, scalable systems. Experienced across frontend, backend, data pipelines, and high-uptime production environments.

Technical Skills

Languages & Frameworks: JavaScript, TypeScript, React, Angular, Node.js, PHP, HTML/CSS, SQL

Tools & Platforms: Git, Vite, AWS (learning), Docker/Kubernetes (learning), MySQL, SQL Server, Snowflake

Specialties: Workflow automation, data pipelines, dashboard development, system architecture, CI/CD concepts

Other: REST APIs, Agile collaboration, UX-minded development, high-reliability systems (99.999% uptime)

Experience

Business Analyst Manager / Full-Stack Developer | *T-Mobile - Remote, TX (November 2018 - November 2023)*

Built and maintained enterprise-level systems used across multiple departments.

- Built core features of *Spot*, an internal platform centralizing tools and data across the organization.
- Delivered **99.999%** uptime for mission-critical systems via proactive monitoring and alerting.
- Automated multi-day workflows into seconds, improving efficiency by **99.98%**.
- Built scalable full-stack features in Angular, Node.js, and SQL focused on reliability and usability.
- Created dashboards and data pipelines that transformed complex datasets into clear, actionable views.
- Built inventory visibility tools that contributed to **\$2M/month** post-merger revenue gains.
- Partnered with analysts, designers, and leadership to clarify requirements, scope features, and ensure technical alignment across teams.
- Led UI/UX improvements within internal tools, prioritizing usability and reducing cognitive load for non-technical users.

Military Service - U.S. Air Force

Health Services Journeyman | *Hill AFB, UT (February 2009 - April 2011)*

- Maintained sensitive medical records under **HIPAA, DoD, and Air Force regulations**.
- Supported operational readiness and high-stakes healthcare workflows.
- Delivered precision and reliability in environments requiring strict attention to detail.

Projects

- [Portfolio](#) - Interactive portfolio system built in React/Vite with custom animations, state-driven components, and UI scripting.
- [Luna Rose Tarot](#) - Client-facing site with form handling, animations, and deployment pipelines.
- [Obsidian Note Converter](#) - CLI tool that automates note ingestion workflows.

Education

- Self-directed training in software engineering, cloud technologies, full-stack development, and data analytics.
- U.S. Air Force - technical medical operations training