Abbey Albright

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Website | LinkedIn

PROFESSIONAL SUMMARY

Senior Software Engineer with 5 years of high-growth startup experience architecting end-to-end solutions, integrating complex third-party systems, and deploying high-impact data tools. Skilled in bridging the gap between technical architecture and business operations to solve critical client/stakeholder pain points. Proven track record of taking products from 0-to-1, reducing operational bottlenecks by up to 97%, and leading cross-functional alignment. Technical expertise across TypeScript, Python, SQL, and AWS.

WORK EXPERIENCE

Alma (Spring Health) Remote
Software Engineer II Nov 2025 – Sep 2026

- **Optimized core backend processes,** reducing job execution time by 66% (from 30 minutes to 10 minutes) and significantly increasing overall system throughput.
- **Led cross-functional adoption of AI tools** (Cursor, Claude, Copilot) across engineering workflows, accelerating delivery cycles and reducing developer repetitive tasks by 30%
- **Mitigated critical compliance risks** by transitioning an EOL (End-of-Life) Django environment to v5.0, ensuring long-term support and resolving over 40 legacy security vulnerabilities.
- **Architected and deployed** an automated insurance onboarding tool to solve key operational bottlenecks, cutting processing time from 30 days to 1 day (97% reduction) and completely eliminating manual data entry workflows.

House Rx Remote
Software Engineer II March 2022 – Nov 2025

- **Engineered end-to-end integration of a critical third-party payment solution** via SDKs under aggressive delivery timelines, building secure back-end transaction logic and intuitive front-end workflows.
- **Led a full-stack code modernization effort** to improve application performance and maintainability, deleting over 50,000 lines of obsolete and unused code across the frontend and backend. This initiative reduced build times by 15% and simplified the codebase for new developers.
- **Architected and built a complete full-stack solution** for managing drug formularies, designing the relational database schema and developing a RESTful API to serve data. The project included creating a user-friendly front-end interface that allowed administrators to easily manage complex formulary data, reducing manual data entry errors by over 90%.
- **Engineered a serverless microservice** to automate the generation of monthly analytics emails. The service, built using AWS Lambda, eliminated the need for manual data calculation, saving the business development team over 10 hours of work per month and improving reporting accuracy.
- **Led a team of 3 engineers** in Analytics & Data while authoring detailed technical requirements (ERDs) to align engineering, product, and business stakeholders on project scope and delivery.
- **Architected a data warehouse and embedded analytics platform from scratch** (0-to-1), relieving core platform load by 50% while boosting analytics performance by 97% for end users.
- **Managed and integrated HIPAA-compliant healthcare data (PHI),** building ETL pipelines to extract, transform, and load diverse data sources into a unified data warehouse.

EDUCATION

Flatiron School Nov 2021 – Feb 2022
Certification – Software Engineering Remote

North Carolina State University May 2020
Bachelor of Science (BS) Raleigh, NC

TECHNICAL SKILLS

TypeScript, JavaScript, Python, C++, Java, Ruby, HTML, CSS, SQL, React, Ruby on Rails, Node.js, Express, AWS, Sequelize, DMS, DBT, Airflow, Docker, Django, Postgres, Datadog, Cursor, Claude, Copilot