ALEX ALWINE

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Senior software engineer with 10 years of experience building product-facing SaaS applications with a strong emphasis on TypeScript across the stack. Experienced in designing and shipping Node.js/NestJS backend services and APIs, and delivering customer-facing interfaces with React (and React Native). Known for modernizing legacy systems, building scalable event-driven integrations, improving reliability/observability, and partnering closely with product/design to ship high-impact features

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EXPERIENCE

Field Nation – Minneapolis, MN
Senior Software Engineer (Full Stack) | 2021 – 2026

- Led development of a new matching experience using TypeScript with React UI and Node.js/NestJS APIs backed by OpenSearch, improving responsiveness and reducing page load time by 70%.
- Built Go-based data sink services that consumed Debezium CDC events via Kafka Connect from distributed services and continuously indexed changes into OpenSearch to power fast, fresh search experiences.
- Refactored mobile apps from separate native iOS/Android apps to a unified React Native codebase, reducing duplication and accelerating feature delivery by 100%.
- Generated an additional $8m in revenue yearly by designing and implementing core features for a new provider-facing, subscription-based product line.

Software Engineer | 2019 – 2021

- Built and maintained product-facing backend endpoints using Node.js and TypeScript, supporting core buyer/provider workflows
- Built modular, scalable private network capabilities to support a range of buyer workflows and use cases.
- Created a buyer scheduling experience to view, organize, and assign work to providers from a single interface.
- Designed and implemented an assignment workflow that routes work to provider companies (vs. individual providers), simplifying scheduling and improving coordination.
- Created a reporting tool within the platform, enabling ease of access to end of year reporting for 1099 contractors and reducing toil for internal support teams when troubleshooting provider reporting incidents.

Associate Software Engineer | 2016 – 2019

- Built an internal script to help support track root causes of notification-related tickets, improving time-to-response and time-to-resolution.
- Developed automation to identify and merge duplicate client-created location records, reducing long-standing data quality issues from accumulated tech debt.

TECHNICAL SKILLS

- **Core:** TypeScript, Node.js, NestJS, React, SQL
- **Backend:** REST APIs, Kafka, Redis, OpenSearch, MySQL
- **Frontend:** React Native, SPA architecture
- **DevOps/Cloud:** AWS, Docker, Kubernetes, CI/CD, Linux, observability
- **Practices:** System design, code review, automated testing, incident response
- **AI Tools:** GitHub Copilot, Cursor, Claude

EDUCATION

University of Iowa – Iowa City, IA
B.S. Computer Science | Math Minor | 2016