



Senior Software Engineer at Mandrel

⊕ In Office (New York City, NY)

□ Full-time

⌚ \$165,000 - \$200,000 / yr

🕒 0.15-0.75 %

🌐 mandrel.tech



Job Title: Senior Software Engineer (NYC)

TLDR: how do you apply?

Submit your information in the form on this page OR by complete the challenge at <https://mandrel-challenges.vercel.app/> - you will be invited to a private repo that includes a readme with instructions (no time constraints, spend as much or as little time as you'd like). We'll automatically grant top submissions a final onsite interview!

About Mandrel

Mandrel is the modern finance & accounting partner for consumer brands. We pair experienced accountants with AI-powered software automation to deliver real-time, product-level financial clarity for brands with unmatched accuracy and effortless, audit-ready financials at every stage of growth.

We're a team of experienced product leaders and engineers backed by top-tier investors like Asymmetric Capital Partners, Construct Capital, and Lux Capital. Join us in building solutions that provide seamless financial insights to consumer brands so they can make smarter decisions to grow faster more profitably.

About this role

We're seeking a highly motivated **Senior Software Engineer** to join our growing team in New York. As a Senior Software Engineer, you will report directly to the Founder & CEO and will be responsible for working cross-functionally and directly with customers to improve and scale our platform. This is a high-impact role where you will have an opportunity to make significant technical architecture decisions, iterate on prototypes, and build features from concept to launch in a highly autonomous environment.

You will:

- Design, develop, test and deploy systems from concept to prototype that automate key finance workflows and transform data into real-time financial insights for our brands.
- Contribute to a technical roadmap that leverages modern AI technologies, working with customers and the rest of the team to define product requirements and identify areas for improvement proactively
- Build and refine AI-powered pipelines that extract, classify, and link unstructured data from a variety of data sources, including supply chain documentation
- Design and develop real-time data synchronization systems using GraphQL subscriptions, WebSockets, and PubSub that keep data instantly updated across all users
- Architect multi-tenant enterprise features for procurement, inventory, and accounting automation with organization-level data isolation

- Develop sophisticated integration layers connecting ecommerce platforms (Shopify, Amazon), warehouse platforms, financial software (Bill, QuickBooks), logistics providers, and email inboxes
- Build and optimize background processing systems for document analysis, data aggregation, and automated financial reconciliation workflows

You're a good fit if you:

- Have 5+ years of full-stack industry experience building complex, data-intensive applications
- Are proficient in our core stack: TypeScript, NestJS, GraphQL, Next.js, PostgreSQL, and Redis
- Have experience building from scratch, ideally in finance, accounting, supply chain, or B2B domains
- Have experience with real-time systems (WebSockets, subscriptions, event-driven architectures)
- Have worked intimately with AI/ML integrations (document processing, OCR, content extraction)
- Understand multi-tenant architecture patterns and enterprise security requirements
- Have experience with cloud platforms (AWS, Heroku) and containerization (Docker)
- Are comfortable working with complex domains and translating requirements into technical solutions
- Are self-driven with a strong focus on product impact and customer experience in enterprise environments
- Bonus: experience with inventory management, document processing, financial, or general ledger systems



Benefits & perks

- Competitive salary & equity package
- Unlimited vacation (with 15 days encouraged)
- Comprehensive medical, dental, and vision insurance
- Relocation assistance to NYC

Why work with us

At Mandrel, we believe in fostering a culture where hard work is rewarded and personal growth is prioritized. Working with us means you'll have:

- Play a key role as an early team member at a growing startup with a high level of ownership
- Work directly with the founding team and customers
- Be a part of a fast-paced team that works together in person in NY
- Opportunities for mentorship and professional development
- Solve real problems that impact the bottom line of your favorite consumer brands

Apply

First Name *

Last Name *

Email *

LinkedIn Profile URL *

Phone Number

I confirm that I am legally authorized to work in the United States for any employer and will not require visa sponsorship now or in the future. *

Yes

No

My current (or prior) tech stack included Typescript. *

Yes

No

Anything else we should know?

Resume *



Drag and drop files or [browse computer](#)

(PDF only, 5 MB maximum.)

Apply



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