Elena Petrova

Full Stack Engineer · TypeScript, React & Node.js

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SUMMARY

Full stack engineer with 5 years shipping B2B SaaS features end to end in React, Node.js, and PostgreSQL. Built a self-serve billing flow that grew upgrades from 3% to 7% of trials and cut support tickets by 35%.

EXPERIENCE

Fernway Software Feb 2023 - Present

Software Engineer II, Full Stack *Boston, MA*

- Built a self-serve billing flow with Next.js, Node.js, and Stripe, growing trial-to-paid upgrades from 3% to 7% in two quarters
- Designed a role-based permissions model across the API and UI, unblocking 12 enterprise deals worth $1.4M in ARR
- Cut dashboard load time from 4.2s to 1.3s by moving heavy queries to PostgreSQL materialized views
- Mentored 2 junior engineers through pairing and code reviews on a team of 6

Lumen Analytics Jun 2020 - Jan 2023

Software Engineer *Cambridge, MA*

- Shipped a report builder in React and GraphQL used by 2,500 customers, replacing 40% of custom report requests
- Built a CSV import pipeline on AWS Lambda and S3 handling files up to 2GB, reducing failed imports from 15% to 2%
- Wrote end-to-end tests in Playwright that cut escaped UI bugs by half over 3 releases

EDUCATION

Northeastern University Sep 2015 - May 2020

B.S. Computer Science · Co-op: 2 software engineering co-ops *Boston, MA*

SKILLS

Frontend: TypeScript, React, Next.js, GraphQL, Tailwind CSS, Playwright

Backend & Cloud: Node.js, PostgreSQL, Prisma, Redis, Stripe API, AWS (Lambda, S3, RDS), Docker