

MACK GRAUNGAARD-ROBINSON

Full-Stack Developer • React • TypeScript • Node.js

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PROFESSIONAL SUMMARY

React-focused Full-Stack Developer with 2+ years of production experience building scalable web applications. Proven track record shipping user-facing features with TypeScript, Next.js, and Node.js — including a live real-time multiplayer app deployed at dicerollduel.com. Comfortable across the full stack (C#, PostgreSQL, Docker, CI/CD) with strong instincts for clean, maintainable code. Actively seeking Toronto-based and remote roles.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript (ES2023+), Vue.js, Angular, HTML5, CSS3, Socket.io

Backend: Node.js, C# / .NET, REST API Design, PostgreSQL, MySQL, NoSQL, Prisma, Go, Python

Tools: Docker, Git, GitHub Actions (CI/CD), JWT / OAuth, NextAuth, SendGrid, Vercel, Render, Cloudflare

PROFESSIONAL EXPERIENCE

Full-Stack Software Developer — Freedom Softworks LLC (Remote)

Apr 2022 – Jul 2024

- Built and deployed 3 production React/Next.js web applications using TypeScript, C#, PostgreSQL, and Docker, serving ~5,000 monthly active users.
- Architected React component libraries and reusable hooks that reduced frontend development time by 40%, tightening the design-to-delivery loop.
- Designed RESTful APIs consumed by React frontends, cutting application load times by 30%+ through optimized data fetching and caching strategies.
- Resolved ~95% of post-deployment issues within two weeks and collaborated with senior developers in agile code reviews and sprint ceremonies.

FEATURED PROJECT

Dice Roll Duel — Live Real-Time Multiplayer Web App

dicerollduel.com

Stack: Next.js 16 · React · TypeScript · Socket.io · PostgreSQL · Prisma · Docker · Render · Cloudflare

- Built and deployed a React/Next.js real-time 1v1 multiplayer game — live at dicerollduel.com — with matchmaking, full authentication, and live scoring.
- Solved Vercel's WebSocket incompatibility by engineering a custom Node.js server co-hosting Next.js and Socket.io on a single port.
- Implemented real-time matchmaking with Socket.io rooms; server-side dice rolling broadcast simultaneously to both clients to prevent cheating.
- Built complete auth flow: email/password + SendGrid verification, password reset, Google OAuth via NextAuth v4, and JWT session management.
- Designed ELO ranking system (K=32) with atomic PostgreSQL transactions guaranteeing data integrity across concurrent match results.
- Full CI/CD via auto-deploys on push to main; Neon managed Postgres, Cloudflare DNS, custom domain on Render.

EDUCATION

Computer Programming Diploma — Georgian College of Applied Arts & Technology

Sep 2024 – Dec 2025

Dean's List | GPA equivalent: 82.35%