



TOUHIDUL ISLAM CHAYAN

Software Engineer

Specialize in Front-end Development & UI/UX Design

Mountain Ash Rd, Peterborough, Ontario

+1-(647)-679-4219

imchn24@gmail.com

www.chnspart.com

[@CHNsPart](https://www.instagram.com/CHNsPart)

[linkedin/in/chnspart](https://www.linkedin.com/in/chnspart)

[behance/chnspart](https://www.behance.net/chnspart)

PROFILE

Full-stack engineer specializing in front-end development, with expertise in building scalable applications and leading technical teams. Combines strong architectural vision with hands-on development skills in modern JavaScript (Typescript) frameworks and AI integration. Proven track record of driving innovation in startup environments through efficient, user-centric solutions.

EDUCATION

Fleming College

- 2023 Sept - 2025 April | Peterborough, ON
- PGD in Wireless Information Networking
- CGPA - 3.554

Final Project

- [Lienzo - License Management Platform](#)

BRAC University

- 2017 Sept - 2022 Jan | Dhaka, Bangladesh
- BSc in Computer Science and Engineering
- CGPA - 3.05

Research Thesis Paper

- [IEEE CSDE/i-COSTE 2022 Conference and Indexed on IEEE Xplore digital library](#)

NOTABLE PROJECTS

- Built [client.ad-iq.com](#) and [mission-control.ad-iq.com](#)
- Built [OntarioPulse.com](#) - Regional news and information blog platform.
- Created [WhoWorksWhen.com](#) - Employee scheduling and shift management system
- Developed [BrokerPortal](#) - Multi tenant brokerage status tracking and management platform
- Developed [Lienzoapp.vercel.app](#) - A SaaS platform providing scalable software licensing solutions for businesses, with automated license management and usage analytics
- Built [Fleming-erm.vercel.app](#) - Campus-wide Equipment Request Management system that streamlines resource allocation, tracking, and maintenance for educational institutions
- Designed the UI of [dhaka.ImpactHub.net](#) - Bangladesh's premier entrepreneurial community platform that connects innovators, entrepreneurs and professionals.
- Designed the UI of [3zero Club's](#) website. A global club of nobel laureate Mohammad Yunus.

PROFESSIONAL EXPERIENCES

OonkoO | Lead Software Engineer

● June 2023 - Present | 📍 Remote

- Architected scalable software solutions across multiple industries, implementing modern stack (Next.js 15 with server actions, React Native, Node.js)
- Developed of multiple successful products: OonkoO website, Omni Attention, Flyboarding PTBO, Broker Portal, Lienzo, Fleming Equipment Request System and WhoWorksWhen
- Managed global development teams across time zones, maintaining 95% on-time delivery rate
- Established company-wide design system and development standards, reducing development cycles by 30%

Omni Attention Division

● August 2023 - Present | 📍 Peterborough, ON

- Designed comprehensive ad performance monitoring system with Brandings managing 20+ digital screens and developed landing pages with Next.JS 14.2.6

City Group (AD-IQ) | ML & Software Engineer

● June 2022 - August 2023 | 📍 Dhaka, Bangladesh

- Architected and developed AD-IQ Project, a DOOH retail platform operating 12+ hours daily with remote monitoring, securing \$23M CAD (₳200 Crore) in investment and subsequent acquisition by City Group
- Engineered scalable Android application using React Native for initial 20-screen deployment, integrating custom playlist API with MongoDB and Node.js backend
- Developed high-performance serverless architecture using Next.js 13, Prisma, and PlanetScale, achieving 25% reduction in operational costs
- Led development of business-critical internal software using React.js and Material UI, resulting in 40% improvement in operational efficiency
- Implemented TypeScript-based frontend with tRPC, achieving 99% type safety coverage across the application
- Built specialized medical imaging solution for Asgar Ali hospital, featuring DICOM viewer and ML-based disease detection capabilities

The Boring Platform (DD-AD) | UI/UX Designer & Software Engineer

● January 2021 - May 2022 | 📍 Dhaka, Bangladesh

- Led development of in-house cash-cow software using React.js and Material UI, improving operational efficiency by 40%
- Created comprehensive UI/UX design system using Adobe XD, establishing consistent design language across products
- Developed and launched AD-IQ Project and Mind Share Kiosk Project.

Ban Base Project Division

● July 2021 - May 2022 | 📍 Dhaka, Bangladesh

- Built full-stack solutions using React.js and Express.js for multiple client projects
- Implemented interactive UI/UX prototypes with Adobe XD for 6+ client websites
- Created custom 3D elements using Blender and Spline, enhancing user engagement by 35%

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, Javascript, TypeScript, React Native, Tailwind CSS, ShadCN UI, Material UI, Daisy UI
- **Backend:** Node.js (Express, Nest.js), Python (Flask), MongoDB, PostgreSQL, MongoDB, SQLite, TypeORM, Prisma, Prisma
- **DevOps:** CI/CD, Git, Serverless Architecture
- **AI/ML:** Computer Vision (CNN, FDNN), TensorFlow, Transfer Learning, XAI Frameworks (LIME, SHAP)
- **Design:** Adobe XD, Figma, Framer, Spline, Blender