

# Dipto Karmakar

## Senior Frontend Engineer

diptokmk47@gmail.com · +880 1732646382 · Dhaka, Bangladesh · [LinkedIn](#) · [Github](#)

### PROFESSIONAL SUMMARY

Senior Frontend Engineer with 10+ years building scalable React and TypeScript applications, backed by full-stack capability in Node.js, FastAPI, Django, and PostgreSQL/MongoDB. Specialized in frontend architecture, design systems, and real-time, data-intensive interfaces, with backend ownership demonstrated through independent open source projects. Remote-first collaborator with EU and US teams, ready to own full-stack delivery at Senior or Lead level.

### CORE SKILLS

**Frontend:** React, TypeScript, JavaScript, Next.js, Redux, TailwindCSS, MUI, Recoil.js, Styled-components, HTML5, CSS3

**Backend:** Node.js, Express.js, FastAPI, Python, Django, Django REST Framework

**Databases:** PostgreSQL, MongoDB

**Architecture:** Micro-frontends, Nx / Turborepo, Design Systems, Component Libraries

**Real-time & APIs:** WebSockets, GraphQL, Apollo, REST APIs

**Testing:** Jest, Vitest, Pytest, Cypress, Playwright

**Cloud & DevOps:** GCP, Docker, GitHub Actions, Azure DevOps, CI/CD

**Practices:** Agile, TDD, Git Flow, Remote-first

### WORK EXPERIENCE

#### Self-Employed

Dhaka, Bangladesh (Remote)

##### *Independent Software Engineer*

May 2025 – Present

- Built and maintain backendctl, an open source backend project starter — [github.com/dipto0321/backendctl](https://github.com/dipto0321/backendctl)
- Building a full-stack personal finance tracking application (FastAPI, PostgreSQL, React), with open source release planned
- Developing a note-taking application using FastAPI to deepen backend architecture, authentication, and API design skills
- Built a job-aggregation and automation toolkit to streamline sourcing of opportunities across multiple platforms
- Strengthened full-stack capabilities through applied learning in Django, FastAPI, Next.js, and GSAP
- Following a structured AI engineering roadmap covering LLMs, agentic systems, and applied AI tooling

#### Myze

Emmerich, Germany (Remote)

##### *Senior Frontend Engineer · Contract*

Mar 2025 – Apr 2025

- Led development of a real-time tablet checkout interface in React and TypeScript with multilingual support and integrated SumUp payments.
- Engineered WebSocket-based systems for device pairing and live payment tracking, improving transparency and reducing customer wait times.
- Built reusable, scalable UI components — tabbed product views, color picker inputs, and GraphQL-powered data tables.
- Collaborated with backend engineers to define API contracts, ensuring reliable real-time state synchronization in production.

#### ProptechCore

Stockholm, Sweden (Remote)

##### *Senior Frontend Engineer · Full-time*

Oct 2022 – Feb 2025

- Spearheaded transformation of Figma design systems into production-grade React component libraries, streamlining UI development across teams.
- Delivered pixel-perfect, accessible B2B SaaS interfaces across complex user flows with full design fidelity and performance.
- Designed and maintained a centralized component library enabling consistent UI and faster iteration across teams.

- Owned end-to-end user onboarding and invitation flows, from design through delivery.
- Built real-time office energy monitoring dashboards with WebSocket data pipelines, balancing UX clarity with data accuracy.
- Provided frontend architecture decisions, estimations, and cross-team technical feedback autonomously in a remote-first environment.

## Kiwibot

Medellín, Colombia (Remote)

*Senior Frontend Engineer · Full-time*

Aug 2021 – May 2022

- Led refactor of a legacy console application into a scalable micro-frontend architecture using Nx, improving maintainability and enabling team growth.
- Applied a complete brand and UI theme across the application without dedicated design support, ensuring visual consistency.
- Implemented a real-time task notification system using WebSockets, improving supervisor visibility and response time.

## YouMeWho

Palo Alto, California, USA (Remote)

*Full Stack Developer · Contract*

Feb 2021 – May 2021

- Built a Chrome extension to auto-scrape and import merchandise, improving client inventory management speed.
- Researched and proposed Facebook API integrations for real-time social media marketing features.

## Chosenmasters

Vancouver, Canada (Remote)

*Full Stack Developer · Contract*

Sep 2020 – Dec 2020

- Developed a music streaming platform supporting track uploads, merchandise sales, and social features (favorites, follows).
- Delivered e-commerce and audio streaming functionality enabling artist monetization and user growth.

## Anansi Skills

Chapel Hill, NC, USA (Remote)

*Back End Developer · Contract*

Dec 2019 – Jan 2020

- Designed a social-auth enabled, role-based REST API with full Swagger documentation.
- Deployed a Keras-based deep learning model on GCP for educational analytics.

## Microverse

San Francisco Bay Area, USA (Remote)

*Technical Support Engineer · Full-time*

Jun 2019 – Aug 2019

- Led 400+ code reviews in Ruby, Rails, JavaScript, and React for 50+ students, accelerating learning through tailored 1:1 guidance.
- Mentored 20+ students to graduation, improving retention and technical confidence.
- Managed 10+ part-time code reviewers, maintaining high standards and consistency across the review process.

## EDUCATION

---

### B.Sc. in Data Science

Distance Learning

*Admission in progress · Expected start July 2026*

### United International University

Dhaka, Bangladesh

*B.Sc. in Computer Science (Partial Coursework — 33 Credit Hours) · 2013–2014*

## CERTIFICATIONS

---

- Remote Full Stack Web Development Certificate — Microverse
- Relational Database Design
- Tech on the Go: From Software Developer to Architect
- EF SET English Certificate — C1 Advanced (68/100)

## LANGUAGES

---

- English — C1 Advanced