FORHAD HOSSEN

SOFTWARE DEVELOPER & CONSULTANT

fhbthenorthstar.github.io

FULL STACK JAVASCRIPT SPECIALIZED

A software engineer focused on artificial intelligence and the latest techniques with best practices to create industry standard applications. Interested in leveraging my passion for behavioral science to develop interactive web applications. Open to applying my full-stack development skills in a collaborative environment, to projects that require the latest web technologies like Node.js, React.js, Next.js, and production platforms like AWS, GCP or Vercel following DRY, KISS & S.O.L.I.D principles with App State Architecture.

INDUSTRIAL EXPRIENCE

- Agile Methodologies
- Software as a Service (SaaS)
- Product as a Service (PaaS)
- Object-Oriented Programming (OOP)
- Service-Oriented Architecture (SOA)
- Functional Frontend Programming
- IoT & Big Data Visualization

ACADEMIC BACKGROUND

BANGLADESH POLYTECHNIC INSTITUTE
Graduated 2016 –20 | CGPA 3.48/4.00
Computer Science & Engineering,
Mathematics, Data Structure, Design Patterns
COLLAGE OF DIPLOMA IN ENGINEERING 2016 TO 2020

UDACITY® NANODEGREE PROGRAM
Graduated | Batch 2018
- JavascriptES6, ES8
- Node.js V8 Mechanism
- NodeJS C++ LIBUV Library

CODERSTRUST BANGLADESH
Graduated | Batch CTG-79 | 2016
- Responsive Web Design
- Freelancing & Communication
- Wordpress Theme Customization

UDEMY.COM | UDEMY™
Online Education | 2017 to 2023
- Modern HTML5 CSS3 from Beginning by Traversy
- Object Oriented Javascript by Mosh Hamedani
- Advanced Javascript by Andrew Neagoe
- Complete React Web Developer by Mead
- Modern React Redux by Stephen Grider
- NodeJS Complete Guide by Maximilian
- RESTFul API Development by Mosh Hamedani
- Data Structures & Algorithms by Andrew
- Data Structures Masterclass by Stephen Grider
- Mastering data visualization in D3.js

in/fhb-thenorthstar

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TOOLS & TECHNOLOGIES

- S.O.L.I.D Principals • SDLC Lifecycle • Arcjet • Convex • LLMs
- React.js • Node.js • Redux.js • Express.js • Next.js • Plotly.js • D3.js
- CloudFront (aws) • Route 53 (aws) • S3 (aws) • Amplify (aws)
- CI/CD Pipeline • Git • Ansible • Docker • Vercel • Gitlab/hub
- Browser DevTools • TanStack Query • Tailwindcss • ShadeCN
- JSXml • SSR & CSR • Zustand • Stripe API • React WebGL Unity
- RESTful Web Services • Firebase • MongoDB • Sequelize
- Bootstrap • Semantic UI • Materialize UI • OpenAI API
- Langchain.js • Prisma • Postgresql • Javascript & ECMAScript
- Puppeteer • Webhooks • OAuth • JWT • Sanity • Cypress
- Context API • Custom Hooks • TypeScript • Cloudflare Worker
- Webpack • Babel • Code Splitting • Cloudinary • Auth.js
- Caching Strategies • Frequent Commits • Branching Strategy
- Redux Toolkit • Socket.io • SEO Optiimzation
- Screaming Frog SEO Spider • Vector database
- Analytics: • Microsoft Clarity • Google Analytics v4 • Meta Pixel
- HotJar • Google Tag Manager • Sentry • Datadog

WORK EXPERIENCE

Senior Frontend Developer
IDARE BANGLADESH LIMITED
2020 FEB TO NOW
- Visualizing complex IoT data using Plotly.js and D3.js
- Managing big IoT analytical input forms using Redux.js
- Implemented CI/CD Pipeline using CloudFront, Route53 & s3
- Collaborated closely with UI designers & backend engineers to deliver seamless features within tight deadlines.
- Improved application efficiency through lazy loading, code splitting, and caching techniques.
- Developed a company-wide UI library using React storybook which increased team efficiency by 40%.
- Mentored 2 junior developers resulting in a 30% productivity increase within thee team.

Frontend Developer - Remote
OAMATRIX TECHNOLOGIES INC.
APR 2018 TO FEB 2019
- Developed payment workflow application for publishers.
- Converting wireframes into responsive, interactive React.js components and implemented Django API's

Freelance Developer
UPWORK – FREELANCE
JUL 2017 TO JAN 2020
- Met with clients to discuss project requirements and workflow.
- Designed and coded websites, from layout to function, according to client specifications.