NAVENDU DUARI

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EXPERIENCE

FlyBy
letsflyby.com
May 2020 – Present
Member of Founding Team

Insticram Systems Pvt. Ltd.
yoursown.com
January 2020 – May 2020
Technical Developer (remote)

EDUCATION

M. Sc. Computer Science : Department of Computer Science, University of Delhi **(7.8)**
August 2019 – Present
B. Sc. Hons. Computer Science : Asutosh College, University of Calcutta **(73.75%)**
Higher Secondary : Jodhpur Park Boys High School, Kolkata, West Bengal **(80%)**
Secondary : Sarisha R.K.M Sikshamandir, Sarisha, West Bengal **(87.14%)**

SKILL

Competitive Programming - https://leetcode.com/navenduduari/
Database Design for Practical Purpose
- Cost vs Performance Tradeoff
- Minimum Schema Change
- Scaling

Web API Design
- Single CRUD and Bulk CRUD with eventual consistency
- Version Management
- Benchmarking
- Telemetry

APM
- System Monitoring
- Events for Debugging

Client Side Performance
- Re-definition of State Stores

TOOLKIT

Adaptable to new technologies with a good learning curve
Pragramming Language – Go, TypeScript, C++, JavaScript

Web Development Technology – Node.js, React.js, GraphQL, REST, Websocket
Database Technology – PostgreSQL, Cassandra, MongoDB, Redis
CI/CD - Gitlab runners, Docker deployments, Standard Test Integrations and reportings
DevOps Technology – Log management, Git, Docker, curl, postman
Others – Vim, Git Flow, AWS, JWT

INTEREST

Finance – Learning and practicing to invest
Sports – School-level certificates holder for various sport events
Cooking

PROJECT

FlyBy
letsflyby.com -
https://chrome.google.com/webstore/detail/flyby/mhnimggcnbmkknogbhelbjdddfbilkon?hl=en-GB&authuser=3
Flyby is a communication tool for teams which have short-lived sessions and enable communication with text, voice, video and screenshare
  • Materialising graph in relational database for small to medium scale
  • Clever database design to have almost all the queries run on index by managing consistency manually
  • An infinitely scalable api server with socket services centralised removes load on caching layer
  • Customised client side differ to reduce data transport between chrome extension runtime and browser page runtime
  • A scalable logging infrastructure which also enables low scale app telemetry to reduce cost of infrastructure
  • Basic incident reporting
  • Various experience features(drag-n-drop image/link, link preview, copy message, minimize frame, chrome notification, socket management etc.)
  • Chrome API, DynamoDB, REST, React.js, Jest.js, TypeScript

YoursOwn
yoursown.com
A small scale social network within college where students can get feed of peer activity, college news etc
  • Analyze and understand business and user requirements to create reliable and efficient database design models as well as write code to interact with databases
  • Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed
  • CRUD operations, Document upload/download, Captcha generation, Real-time notification
  • PostgrSQL, Cassandra, S3, GraphQL, Websocket, Redis, Go

go-echo-blog
github.com/NavenduDuari/go-echo-blog
  • CRUD application
  • Signup/Login(password/OTP)

- JWT authentication
- PostgreSQL, SNS, REST(echo), Go

goinfo

github.com/NavenduDuari/goinfo

Experience CLI through WhatsApp (Basic application for programmed WhatsApp communication)

- *crypto* – gives prices of crypto-currencies
- *covid* – covid19 tracker for India
- *gogit* – gives basic insights of Github profile
- Go, various APIs

LifeLine

life-line-demo.herokuapp.com

Blood donor information app

- MongoDB, REST, Node.js, React.js, Redux.js

Others

github.com/NavenduDuari

- **getblk** - Implementation of getblk algorithm in a multi-threading environment
- **fb-bot** - A simple Facebook bot using Puppeteer
- **gocoin** - A CLI that gives data of crypto-currencies
- **Basic blockchain implementations**