

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%)**

TOOLKIT

Programming Language – Go, C++, TypeScript, 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

Others – Vim, Git Flow, AWS, JWT

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
- Stability (Version Management)
- Security (Token-based authentication)
- API documentation
- Benchmarking
- Telemetry

APM

- Log Collector (Fluentd)
- System Monitoring
- Event for Debugging

Client Side Performance

- Re-definition of State Stores

INTEREST

Finance – Learning and practicing to invest

Sports – School-level certificates holder for various sport events

Cooking

PROJECT

FlyBy

letsflyby.com

Flyby is a communication tool for teams which have short-lived sessions and enable communication over text, voice, video and screenshare

- Materialised graph in relational database for small to medium scale
- Designed database to have almost all the queries run on index by managing consistency manually
- Implemented a caching layer(redis) on top of ~80% of the database services
- Developed 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
- Prepared a scalable logging infrastructure which also enables low scale app telemetry to reduce cost of infrastructure
- Built various experience features(socket management, drag-n-drop image/link, link preview, copy message, minimize frame, chrome notification etc.)
- Chrome API, DynamoDB, REST, React.js, Jest.js, TypeScript

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**

YoursOwn

yoursown.com

A small scale social network within college where students can get feed of peer activity, college news etc.

- Analyzed and understood 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
- Implemented CRUD operations, Document upload/download, Captcha generation, Real-time notification
- PostgreSQL, Cassandra, S3, GraphQL, Websocket, Redis, Go

go-echo-blog

github.com/NavenduDuari/go-echo-blog

- CRUD operations
- 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