

NAVENDU DUARI

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Full Stack Engineer | 1+ yrs of experience | M.Sc. Computer Science

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EXPERIENCE

Member of Founding Team

[LetsFlyby Inc.](#)

May 2020 – Present

Software Developer

[Insticram Systems Pvt. Ltd.](#)

January 2020 – May 2020

EDUCATION

M. Sc. Computer Science : Department of Computer Science, University of Delhi (7.8)

TOOLKIT

Programming Language – TypeScript, JavaScript, Go, C++

Web Development Technology – Node.js, React.js, Redux.js, GraphQL, REST, Websocket, WebRTC

Database Technology – PostgreSQL, Cassandra, MongoDB, Redis

DevOps Technology – Log management, Git, Docker, curl

Others – Linux, Vim, Git Flow, AWS, JWT

SKILL

Client-side Performance

- State management
- Side effect management
- Component reusability
- Optimization with best practices

Web API Design

- Single CRUD and Bulk CRUD with eventual consistency
- Stability (Version Management)
- Security (Token-based authentication)
- API documentation

Database Design

- Cost vs Performance Tradeoff
- Minimum Schema Change
- Scaling

DevOps

- Containerization
- Scripting for Infrastructure As Code
- CI/CD pipeline automation
- Application performance monitoring

PROJECT

FlyBy([letsflyby.com](#))

- 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
- Prepared a scalable logging infrastructure which also enables low scale app telemetry to reduce cost of infrastructure
- Built various experience features (Directory structure, tagging mechanism, socket management, etc.)
- Chrome API, DynamoDB, REST, React.js, Redux.js, Jest.js, TypeScript

YoursOwn([yoursown.com](#))

- 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

Student Identification Dapp([Github](#))

- A decentralized application to verify student degrees
- Deployed smart contract in an Ethereum test network
- Leveraged distributed database (IPFS) for storage
- IPFS, Ethereum, Go

Scaffoldzoid Inc. ([Github](#))

- An end-to-end MERN project coded on a development challenge
- ~90% of the project was completed in 4 days
- React, Redux, Redux-Saga, Ant Design, Node, MongoDB, TypeScript