NAVENDU DUARI

Full Stack Engineer | Masters in Computer Science

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EXPERIENCE

Member of Founding Team
Flyby 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 (7.78)**

TOOLKIT

Pragramming 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 & Side Effect management
- Optimization with best practices
- Testability (Unit & E2E)

Web API Design
- Single CRUD and Bulk CRUD with eventual consistency handling
- Stabilty(Version Management) & Security(Token-based authentication)
- REST & GraphQL
- Testability
- API documentation

Database Design
- Cost vs Performance Tradeoff
- Minimum Schema Change
- Scaling

DevOps
- Containerization
- Scripting to automate environment setup
- CI/CD pipeline
- Application health & 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 a 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**)**
- Implemented CRUD operations, Document upload/download, Captcha generation, Real-time notification
- Designed and implemented GraphQL API server and wrote test cases to improve stability
- Analyzed and understood business and user requirements to create reliable and efficient database design models as well as write code to interact with databases
- PostgrSQL, 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