# Sandipan Dey

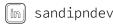Node.js Developer | Full Stack

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## EXPERIENCE

### GALOY INC
Engineering
October '21 – Present | WFH
- → Building experience handling Bitcoin and Lightning Infrastructure
- → Developing CI Pipelines to fascilitate development and better developer workflows using Concourse
- → Learning how to structure architecture for large Kubernetes applications with multiple pods and parts with MELT

### DURBIN TECHNOLOGIES
Senior Software Developer
Jun '20 – October '21 | Kolkata, IN

- → Developed account management solution for normal and business users with billing; supports OAuth2.0
- → Developed **MQTT** based IIOT solution with Firmware Update support, used by 100+ edge devices
- → Created xIngest, an IoT solution that supports multiple devices, secured encrypted MQTT, Socket.io and several other realtime channels
- → Created online WebRTC SFU based scalable video calling application with chat support, admin authorization and screensharing.
- → Worked with Indian Railways to get OHE measurements using Lidar scanners, created Windows executable and Lidar device to streamline the process.

### QUINCH SYSTEMS
Internship
Oct 2019 – Apr 2020 | Kolkata, IN
- → Created IoT based mechanical isolator trigger that remotely controls overhead electricity (Deployed at Howrah Railway Station)
- → Designed and Integrated an UI for Ventilator Systems (R&D) involving Pip & Peep pressures, flow directions and live-sync with micro-controllers over sockets.

## PROJECTS

### WEBSITE  | Personal Website
Oct '21 - * | Online
- → A beautiful Space themed website with live activity feed integration for YouTube, Spotify and Twitter.

### HEALTHBAY  | Complete Healthcare System
Apr 2020 – Jun 2020 | Kolkata, IN
- → Blockchain to store Medical Records, connect to Nearest Ambulance, find nearest Doctors, chat with them and get treatments, fetch probable diseases based on your symptoms and medical history all clubbed together in one simple UI.

### PC STREAM  | Local Entertainment Center
Jan 2019 – Jan 2020 | Kolkata, IN
- → Stream media from your desktop/laptop, auto scan and download from torrent, index movies, save subtitles, remember last playpoint.

## SKILLS

### PROGRAMMING
**Over 100K lines:**
TypeScript • Node.js
**Over 50K lines:**
Java • Python • C/C++
**Interests:**
Bitcoin • Rust

### TECHNOLOGY
Bitcoind • LND • Umbrel
Git/Github • AWS • GCP
Docker/Kubernetes • CI/CD
Postgresql • React.js
UNIX • Automation

## EDUCATION

### ACADEMY OF TECHNOLOGY
BTech in Computer Science
**Jun 2018 | Pursuing**
Ongoing Research on Decentralised Local Consensus for Auto Debit during Transport
**Cum. GPA(till 7th Sem): 9.2 / 10.0**

### MC KEJRIWAL VIDYAPEETH
Schooling
**May 2018 | ISC | 88.2%**
**May 2016 | ICSE | 92.4%**

## LINKS

Github: **/sandipndev**
Twitter: **@sandipndev**
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