# M Santosh Dora

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## WORK EXPERIENCE

**IDfy**                                                                                       Mumbai, India
*Senior Software Engineer (Backend)*                                                          Aug 2022 - Present

- Optimized the in-house Video Solutions (WebRTC) product for vKYC (FinTech) at lower network bandwidth to handle ~50 thousand daily video calls seamlessly.
- Improved 10% verification rate of video call performance by incorporating different features related to Network efficiency and WebSocket Reconnects during the call.
- Redesigned the Health Check feature to check network condition of the user and reduced technical UTVs (Unable to Verify) by 2-3%.
- Analyzed data with logs, added more instrumentation to debug production bug and fixed the problem which helped in reducing UTV by 4%.
- Worked with Distributed Systems(Microservice architecture), and built a microservice to manage webhook state management using Elixir/Phoenix (Functional Programming language).

**Chronus Software India Pvt Ltd**                                                             Hyderabad, India
*Software Development Engineer (Full-Stack Developer)*                                         Jun 2019 - Jul 2022

- Designed and developed multi-support 3rd party virtual meet(Google Meet, Microsoft Teams, Twilio) feature which increased 30%(avg) engagement to our platform.
- Designed & Implemented diversity algorithm to bulk matching, it helped in retention of a client and later the feature was marketed to other clients to gain 10 % more retention.

**SAMSUNG Research Intitute**                                                                  Noida, India
*Software Engineer (Android)*                                                                 Feb 2018 - Jun 2019

- Samsung Keyboard(Android) Team - Developed new layouts for Indian users which helped 0.3% reduction in typing errors.
- Worked on building Chat Over Video Feature, which got released to million Samsung device users.

**Belzabar Software Design**                                                                   New Delhi, India
*Computer Scientist, Intern*                                                                   May 2016 - Aug 2016

- Implemented an application using Machine Learning tools to organize emails depending on the context.
- Additional Support to add new topics for organization, with a feature named as "Delayed organizing".

## EDUCATION

**National Institute of Technology (NIT)**                                                     Durgapur, India
Bachelor's of Technology Computer Science & Engineering *GPA: 8.18*

## SKILLS

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|---|---|
| Backend Language (Proficient): | Elixir, Ruby, Go, Phoenix, Rails, webRTC, Video Technology, C++, C |
| Frontend (Proficient): | ReactJS, Javascript, HTML/CSS |
| Familiar: | Java, Typescript, HTML/CSS, AngularJS, ArgoCD, CI/CD pipeline, Deployment |
| Leadership: | Code Review, Estimation, Mentorship |
| Design Skills (Proficient): | Functional Programming, Object Oriented Design, Distributed Systems |
| Cloud Experience (Familiar): | GCP, AWS, Cloud Storage |
| Additional skill (Proficient): | websocket, socket, Docker, Kubernetes, REST APIs, Redis, ElasticSearch, RabbitMQ |
| Database Skill (Proficient): | Postgres, MySQL, PostgreSQL, Relational Database |

## ACHIEVEMENTS

**GOLD MEDALIST IN MATHEMATICS by All India Teachers Association**

2011

**Top 1% All INDIA Kendriya Vidyalayas in Higher Secondary**

2013

**Published Research Paper on "Normalized Uplink Bandwidth Scheduling Algorithm for WiMAX Networks"**

2019