

# Md. Abul Hasanat Azad

Software Engineer

• +8801968301536 • [azmamun71@gmail.com](mailto:azmamun71@gmail.com) • [Linkedin](#) • [Github](#) • [Portfolio](#)

## SKILLS

**Languages:** Javascript, Typescript, Golang, Python

**Databases:** MySQL, MongoDB, Postgres, SQLite, DynamoDB, Redis

**Backend:** Nodejs, Expressjs, Echo, Gin, WebRTC, WebSocket

**Frontend:** Reactjs, Nextjs, Redux, Angular, Ionic, Rxjs, Material-UI, Bootstrap, Tailwind CSS

**Cloud:** AWS(EC2, Route 53, RDS, ElastiCache, S3, SNS, SQS, Lambda, ECS, ECR, Fargate, EKS, VPC)

**Tools:** Git, Docker, Kubernetes, GitHub Actions, JIRA, SCRUM

## WORK EXPERIENCE

### Cantaloupe Inc - Software Engineer

Sep 2024 – Present

- Upgraded client facing **Angular** from v8 to v18, fixing **10+** vulnerabilities, reducing bundle size by **~30%**, streamlined CI/CD pipeline to bring down deployment time under **~2 minutes**.
- Optimized thermal printer plugin(**Java**), reducing label printing time for each label from 10s to **< 2ms**.
- Wrote a custom **structured logging** package in **Go**, tailored for internal backend server observability, led to debugging improvements and faster issue investigation.
- Led the high impact feature “Pick by Zone”, reportedly decreasing order picking time by **~60%**, delivered before the deadline with near zero bugs.
- Built real-time order tracking with **Websocket**, reduced order picking conflicts between pickers by **~95%**. Combined with the “Pick by Zone” feature, it became a USP that onboarded **125+ clients**.

### CHEQ by Cantaloupe - Full Stack Engineer

Jun 2022 – Aug 2024

- Boosted revenue and market reach by enabling **i18n localization** in the entire ([CHEQ Please](#)) app.
- Overhauled notification microservice for increasing throughput **about 60%**, resolving disconnection issues, particularly in areas with unstable internet.
- Played a pivotal role in generating nearly **\$2M in sales** through the introduction of Social feature for exchanging gifts.
- Designed a centralized menu management system, **reducing 90% operational cost** for managing menus.
- Implemented sms queue scheduler to **deliver sms to 50k+** users during peak hour, ensuring nearly **100% reachability**.

### Bdtask - Nodejs Developer

Jan 2021 – May 2022

- Build backend for ([Sebaghar](#)) utilizing **WebRTC**, facilitating **500k+ consultations** to date.
- Empowered fellow 20+ developers by providing training in fundamental deployment techniques, Nginx, SSH, **Linux**, and proficiently managing Certbot SSL certificate issuance.
- Built a Node.js backend for [Japyo](#), an event-driven social app that heavily relies on GIS and socket.

## Lotus Technology Development - Full Stack Developer

Jul 2020 – Dec 2020

- Written APIs and front-end for checkout, cart and auth modules.
- Developed front end UIs for ecommerce applications.

## Education & Certifications

- **B.Sc. Computer Science and Engineering**, National University, Bangladesh.
- **Certified Scrum Developer(CSD)**
- **Advanced Certified Scrum Developer(A-CSD)**

2016 - 2020

Sep 2022

Oct 2023