

# Pranta Chakraborty

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## SKILLS

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**Languages:** Python, JavaScript

**Technologies:** Django, Django REST Framework, React.js, JQuery, Ajax, HTML & CSS (Basic), PostgreSQL, Git, AWS, Jenkins, Docker.

## WORK EXPERIENCE

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### Zicore Technologies

Dhaka, Bangladesh

*Software Engineer*

*Feb 2023 – Present, Full-time*

- Design and development of the back-end for an IoT-based application using Python and Django REST framework.
- Collaborated seamlessly with mobile, front-end, and firmware teams, ensuring a cohesive integration of system components.
- Used Celery for asynchronous task processing, enhancing system responsiveness and efficiency. Utilized Redis as a message broker for effective communication between system components.
- Integrated Web Sockets for real-time communication, elevating user experience through instantaneous updates between the back-end, and front-end, and also mobile application. Push notifications for the best user experience.
- Established Jenkins pipelines for automated build, testing, and deployment, ensuring a streamlined release cycle.
- Played a key role in designing the system architecture, focusing on scalability, security, and performance.
- **Technologies:** Python, Django, Django Rest Framework, AWS (EC2, S3, Lightsail.), Celery, Celery-Beat, Redis, Web-Sockets, Jenkins (CI/CD), MQTT, PostgreSQL.

### Codesmith Tech Ltd.

Dhaka, Bangladesh

*Software Engineer*

*Mar 2022 – Jan 2023*

- Worked as a core backend developer to build **Buyduy**, a multivendor e-commerce platform based on microservice architecture, and two internal dashboards for regional admin and vendor.
- Implement real-time chat service for regional admin and vendor using Websockets.
- Used saga pattern to manage data consistency.
- Used both event-based and HTTP-based communication on service-to-service.
- Deployed the backend applications on AWS(lightsail) and frontend on AWS(S3) integrated with Cloudflare CDN.
- **Technologies:** Python, Django, Django Rest Framework, AWS (EC2, S3, Lightsail.), Celery, Celery-Beat Redis, Web-Sockets, PostgreSQL.

### Codesmith Tech Ltd.

Dhaka, Bangladesh

*Junior Software Engineer*

*Mar 2021 – Mar 2022*

- Worked as a back-end developer for **WeCorporates**, a corporate social platform for Bangladesh.
- Email-based authentication system along with social authentication.
- Implement real-time notification and chat service in the page-rendered application.
- Developed CMS for existing e-commerce.
- **Technologies:** Django, Django Channels, Celery, Celery Beat, JavaScript, Ajax, PostgreSQL, Git, Redis.

## PROJECTS

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### Online Game | 🐙

- A real-time web-based online **Tic-Tac-Toe** game using web-socket.

### E-commerce | 🐙

- Full-featured shopping cart. User Authentication with email and social authentication.
- Integrated third-party packages also third-party APIs.

## EDUCATION

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### Bangladesh University of Business & Technology

Dhaka, Bangladesh

*B.Sc. in Computer Science & Engineering*

*Oct 2016 – Oct 2020*

CGPA: 3.78/4.00