Pranta Chakraborty

☐ +8801820736647 | @ pranta.cse.bubt@gmail.com | 🔗 LinkedIn | ⭘ GitHub | 📍 Dhaka, Bangladesh

SKILLS

Languages: Python, JavaScript

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

WORK EXPERIENCE

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

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

Bangladesh University of Business & Technology   Dhaka, Bangladesh
B.Sc. in Computer Science & Engineering   *Oct 2016 − Oct 2022*

CGPA: 3.78/4.00