

# Siddharth Dhaka

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## EDUCATION

**Inderprastha Engineering College**  
*Bachelor of Technology, Major in Computer Science*

Ghaziabad, UP  
Aug. 2018 – Aug. 2022

## EXPERIENCE

**Blazpay** Feb. 2023 – Present  
*Software Engineer* *Remote*

- blazpay is a funded startup based on crypto-transactions aimed at simplifying financial transactions and promoting widespread cryptocurrency adoption.
- cloud-based solutions: developed a scalable url shortener using `node.js` and `mongodb`, handling over 100 million requests per month, with advanced features like deep linking and role-based access control.
- real-time communication: integrated `websocket`-based real-time communication (chat-n-pay) for transaction updates, status notifications and support system (user-admin).
- blockchain integration: integrated a private blockchain using `hyperledger fabric`, developed a `cockroachdb`-backed and integrated `hyperledger-explorer` dashboard for stakeholders, enabling the deployment of `smart contracts` for transactions
- authentication: developed secure authentication services with `jwt`, `role-based access control`, and google authentication, incorporating 2fa for merchants, increasing user security and reducing authentication errors by 30%.

**MyGold** Oct. 2022 – Jan. 2023  
*Backend Engineer* *Hyderabad*

- notification service: integrated multi-channel notifications for `whatsapp` (gallabox api), `amazon ses`, sms, and push notifications (firebase), serving and ensuring real-time communication for a seamless experience.
- services: designed the backend for the application that processed `geolocation` requests and integrated payment systems for users purchasing service packages, data also consists of their travel data.
- development: build restful apis with `node.js` and `express.js`, integrating `mongodb` to manage large-scale data storage and retrieval, supporting millions of transactions annually, using `amazon s3 buckets`
- auth and security: implemented secure user authentication mechanisms using `jwt` to protect sensitive financial data and ensure secure user sessions.
- real-time notifications: utilized `websocket` for instant updates and notifications on transaction statuses, ensuring users were promptly informed about critical activities.

## PROJECTS

**cosmic-chatics** | `node.js`, `mongodb`, `docker`, `web-sockets`, `socket.io`, `redis`, `jwt`, `bcrypt`, `jenkins`

- developed a full-stack communication platform incorporating video conferencing, instant messaging, and wallet-based coin transactions. designed for scalability and cloud deployment using `docker`.
- implemented `geo-fencing` to restrict access based on location.
- integrated ci/cd pipelines with `jenkins` to enable automated testing, deployment, and monitoring of the application. utilized `docker` to streamline cloud environment deployment.
- architected the platform with a microservices approach, implementing secure apis for authentication, messaging, and transactions.
- enhanced platform security with `jwt`-based authentication and `bcrypt` for password hashing, scaling the application to handle high traffic and concurrent users with optimized performance.
- integrated `websocket` for real-time messaging and video conferencing updates, ensuring low-latency communication and improving user experience.

## TECHNICAL SKILLS

**languages:** typescript, ejs, graphql, sql, python  
**frameworks:** nodejs, express, hyperledger fabric(web3), web-sockets  
**developer tools:** git, docker, travisci, amazon web services, jenkins  
**database:** mongodb, redis, sql