

JOGESH GUPTA

Maharashtra, Mumbai

☎ +91 9137934131

✉ jogeshgupta963@gmail.com

✉ <https://linktr.ee/JogeshGupta>

Education

Thapar Institute of Engineering and Technology

June 2021 - June 2025

Bachelor of Engineering

Punjab, India

Experience

Carmony.io

Mar 2023 – Sept 2023

Backend Developer Intern

Remote, USA

- Refactored code for better efficiency and normalised database design for realising a Minimum-viable product.
- Setup a test environment and wrote various test suites to establish a CI pipeline in the workflow.

Workcrew.ai

Mar 2023 – Sept 2023

Software Developer Intern

Remote, India

- Worked on the workcrew.ai job portal's server side logic accomodating **100+** recruiters and candidates.
- Optimised server side code by increasing security and developed several functionalities.

SmartGrad

Nov 2022 – Feb 2023

Backend Developer Intern

Remote, India

- Developed scalable microservices with REST APIs using nodeJS and typescript with MongoDB as database.
- Developed REST API for mobile app using nodejs and typescript with PostgreSQL as a database using Prisma and created system design for well defined normalised database schemas.

NoshiBoshi

Jun 2022 – Sept 2022

Software Developer Intern

Remote, India

- Developed backend infrastructure in REST and GraphQL API's which optimised the performance by an estimate of **30%**.
- Integrated AWS Cloud Services such as Dynamodb as a primary database, Cognito User as well as Identity Pools for user authentication, S3 bucket for image storage.
- Implemented WebSockets for low-latency real-time exchange of posts and thread updates.

Projects

Real-Time Chat Application | *NodeJS ExpressJS MongoDB, React.Js, Redux-Toolit* |

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- Users can connect to thier peers by searching for thier email-ids rather than phone numbers .
- User can have a 1-1 conversation with thier peers or can create a group chat of up to **100+** participants built upon a peer to peer model with notifications,cookie authentication.

Auctions | *Nodejs Serverless DynamoDB AWS-SQS* |

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- Developed microservices-based Auctions backend using Node.js, AWS Lambda, DynamoDB, and AWS SQS for seamless scalability and performance along with implementing serverless architecture using AWS CloudFormation, AWS S3 buckets, and AWS CloudWatch for efficient resource management and monitoring. .
- Utilized AWS SQS for asynchronous message processing, enhancing system resilience and reducing bottlenecks.

Tics | *NodeJS, MongoDB, ExpressJS, Nats, Redis Server, Typescript, Docker, Kubernetes, AWS* |

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- A scalable event-driven microservice built on a Kubernetes deployment scaling upto 5 services leveraging a message broker.
- A ticketing website meant for people to sell thier tickets on a third-party platform.

Technical Skills

Languages: C++, Python, Java, HTML/CSS, JavaScript, Typescript, GoLang

Web Development: Express, Nodejs, GraphQL, Reactjs , Redux toolkit, Flask, Jest

Web3: Solidity ,Hardhat ,Truffle ,Chainlink

DevOps: Docker, Kubernetes, Jenkins, AWS, Github Actions, Terraform(IAAC)

Databases: MongoDb, Postgresql, DynamoDb, Redis, CockroachDb

Achievements

- 3rd position in Hacklipse organized by ACM Thapar among **100+** teams.
- Best First Year Hack in DV hackathon organized by GDSC Thapar among **100+** teams
- Track Prize winner in Make4thon organised by MLSC Thapar and MLH among **200+** teams.