

# MD SHADAB KALIM

## Software Engineer

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📍 Ranchi - Jharkhand - India

in [Linkedin](#)

🐙 [Github](#)

## WORK EXPERIENCE

### SDE Intern

#### Dover Corporation

📅 May 2024 – July 2024 📍 Bengaluru, India (On-Site)

- Developed a robust web application using **Next.js** with **TypeScript** and **Tailwind CSS**, automating the addition of new distributors to eliminate the need for manual database modifications.
- Implemented advanced optimization techniques like **debouncing**, **server-side rendering**, **lazy loading**, and **infinite scrolling** to enhance performance and user experience.
- Integrated the frontend with a Node.js backend, and wrote CI/CD pipeline for both backend and frontend using **Github Actions** to deploy on **AWS**

### Fullstack Developer

#### Blaze AI

📅 March 2024 - May 2024 📍 San Francisco (Remote)

- Implemented automated Twitter outreach strategies using **Flask** and **GraphQL**, leveraging the **Twitter API** for automated following and direct messaging to enhance engagement using cron-job on **AWS Lambda**.
- Implemented a Twitter integration flow for Blaze, developed a Chrome extension using **JavaScript (Manifest v3)** that redirects users to Twitter and securely sends request headers to the backend.
- Designed and integrated a user interface for the sequences page in **Next.js** and **Material UI**, seamlessly coordinating user onboarding steps with **Flask** backend functionality for an optimized user experience.

### Web3 Developer

#### Doge Capital

📅 Oct 2023 - Dec 2023 📍 Dubai, UAE (Remote)

- Developed various decentralized applications for clients utilizing **Next.js**, **Tailwind CSS**, **Solidity**, **Hardhat**, and **Ethers.js** while meeting strict deadlines.
- Implemented **SEO** best practices through meticulous **meta-data** optimization, significantly enhancing the search engine visibility and ranking of existing company websites.

## TECHNICAL SKILLS

- **Programming Languages** - C++, Java, Python, HTML, CSS, Javascript, Typescript
- **Frameworks & Libraries** - React.js, Node.js, Next.js, React Native, Flask
- **Database Management Tools** - MySQL, MongoDB, Prisma, DrizzleORM
- **Other Tools** - Websockets, Docker, CICD Pipeline, Github Actions, AWS

## EDUCATION

### B.E. Computer Science Engineering

#### Bits Pilani K.K Birla Goa Campus

📅 2021 – 2025 📍 Goa, India

12th Std. CBSE - 96.2%

#### Jawahat Vidya Mandir, Shyamali

📅 2021 📍 Ranchi, Jharkhand

10th Std. CBSE - 95.8%

#### Jawahat Vidya Mandir, Shyamali

📅 2019 📍 Ranchi, Jharkhand

## ACHIEVEMENTS

- Winner, Quark Web Development Hackathon 2024 – BITS Pilani, Goa Campus.
- Regional Topper (Twice), MIMAMSA – Goa-Karnataka region, IISER Pune.
- Google Cloud Digital Leader Certified – Passed with 90% accuracy.

## PROJECTS

### Deployment Platform

- **Next.js** | **PostgreSQL** | **Prisma** | **Kafka** | **AWS**
- Designed and developed a dynamic deployment platform utilizing **Next.js**, empowering users to **deploy** their websites seamlessly from GitHub repositories onto random sub-domains.
- Leveraged **AWS ECS** to execute build commands, storing resultant websites dist in **AWS S3** while utilizing **AWS ECR** for **Docker** image distribution, ensuring efficient deployment workflows
- Implemented **Kafka** for real-time deployment log management, supported by **PostgreSQL** for persistent storage, and **ClickhouseDB** for streamlined data consumption, enhancing platform performance and scalability.

### AI Mock Interviewer

- **Next.js** | **PostgreSQL** | **DrizzleORM** | **Gemini**
- Developed a full-stack AI real-time mock interviewer application using **Next.js** and **Gemini API** with frontend design optimized with **Tailwind CSS** and **Shadcn UI**
- Implemented secure authentication via **Clerk** and employed **PostgreSQL** and **DrizzleORM** for efficient data storage, facilitating immediate feedback at interview conclusion.
- Integrated **video** and **microphone** functionalities to enable AI-driven real-time assessment, empowering users to record responses and revisit past interviews for further engagement.