

Jatin Mamtora

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EDUCATION

Charotar University of Science & Tech.[B.tech Computer engineering]
CGPA: 9.59

Anand, Gujarat, IN
August 2021 – March 2025

PROFESSIONAL EXPERIENCE

IBM

Software Development Intern

GIFT City, Gujarat, IN
July 2024 – Continue

- Working on migration of **IBM QRadar** console from **Apache Tomcat** to **Websphere Liberty** enhancing scalability, security and integrity.
- Optimizing **security, performance** and **clusterization** by migrating to IBM Websphere Liberty.
- Developed in depth knowledge about **QRadar components** and improved overall **performance** of the **SIEM Solution**.

Amupedia

Remote

Backend Contributor/Maintainer - GSSOC

June 2023 – september 2023

- Resolved issues, and oversaw 15+ pull requests, ensuring seamless code collaboration resulting to **promotion to maintainer** role .
- Spearheaded the development of **REST-APIs** for user authentication and blog CRUD operations using **NodeJs** and **MongoDB**, resulting 30% increase in blog engagement.

PROJECTS

Exam Eye | *TypeScript, WebRTC, NodeJs, Postgresql*

(Link) Present

- Engineered ExamEye web based **online exam taking tool** with **AI based proctoring** and **browser lockdown** features, lowering cheating and providing overall, individual exam **report** to admin.
- Orchestrated backend development using **TypeScript**, Prisma, and PostgreSQL, worked with **3 factor authentication** feature, created student side scalable **API's and created CI/CD pipeline**, implemented **rate limiter**
- Worked with **Sockets for real time data** and integrated **Cloudinary** for video & image storage by minimizing load.

Vercel Clone | *Typescript, Node.js, AWS, Docker*

(Link) January 2024

- Developed a Vercel clone that automates the deployment of projects from Git repositories, utilizing **AWS ECS** and **AWS ECR** for container **orchestration**.
- Configured a **reverse proxy** server to manage traffic to the deployed services, ensuring efficient **load balancing** and routing.

Quotation Maker | *NodeJs, Postgresql*

(Link) September 2023

- Prepared Quotation Maker, a web application for **creating quotations** with unique feature of **maintaining** different **versions** of quotation saving 50% of average quote preparation time.
- Designed and implemented a **complex database schema**, ensuring security through a **JWT-based authentication system**. and created **REST API's**.
- Introduced feature to **download** quotation, Customer and Product list Moreover, executed a robust **mailing service using Nodemailer**.

TECHNICAL SKILLS

Programming Languages: C/C++ , Java, JavaScript , Typescript , HTML/CSS , Bash

Frameworks: Node.Js, Express

Developer Tools: Git, AWS , Google Cloud Platform, VS Code, Github Actions , Docker , Postman

Database: MongoDB , MySQL , PostgreSQL

ORM's/ODM's: Mongoose, Prisma, Sequelize

ACHIEVEMENTS

- Secured **first position** in a 36-hour **National hackathon** at CVM University with **ExamEye** Project.
- Certified AWS Cloud Practitioner April-2024.**
- Clinched **1st position** among 140+ teams at **National-level hackathon** named **HackSavvy'24** conducted by MGIT, Hyderabad representing **ExamEye** project.
- Received **consolation prize** in 36 hour Parul **National level Hackathon** among 165+ teams
- Awarded **Silver prize** at **Makers Fest 2024** through the successful presentation of the **ExamEye** Project.
- Contributed to **open-source** projects in **HacktoberFest'22**, **GWoC'22**, **HacktoberFest'23**, and in **GSSOC'23**.
- Ranked **top 15%** on **LeetCode** with a rating of **1705*** and solved **800+** **data Structure and algorithm** problem.