

MOHIT UCHIT

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SUMMARY

Backend Engineer with expertise in Node.js, MySQL, and Redis, delivering scalable APIs and optimizing system performance by up to 45%. Skilled in cloud automation, cybersecurity, and full-stack development with a focus on efficiency and reliability.

TECHNICAL SKILLS

Languages: JavaScript, C++, SQL

Technologies/Frameworks: Node.js, Express.js, MongoDB, Sequelize, Redis, BullMQ, React.js, TypeScript, Vue.js, Tailwind CSS

Developer Tools: Git, GitHub, VS Code, Bitbucket, Notion, CI/CD Pipelines, Postman, MySQL Workbench, Linux, OWASP ZAP, SQLMap, AWS S3, Google OAuth, Microsoft OAuth

WORK EXPERIENCE

Backend Engineer at Truckpedia

Oct 2023 - Present

Backend Developer

Los Angeles, CA

- Developed scalable solutions using MySQL, Sequelize, Node.js, Redis, and BullMQ.
- Designed and implemented REST APIs and integrated third-party APIs for seamless system communication.
- Optimized cron jobs to automate scheduled tasks, enhancing operational efficiency.
- Built a marketing campaign system to streamline promotional activities and customer engagement.
- Created a QR code system for transport managers to improve tracking and security.
- Reduced ORM-based database query complexity by 39%, boosting performance and scalability.

Freelance Projects

Feb 2022 - Jun 2023

Backend Engineer

Remote

- Built a Linode Akamai Cloud Manager Bot using Node.js, automating proxy creation faster than the Akamai portal.
- Improved backend efficiency by 45% through reduced code complexity and enhanced performance.
- Integrated Redis to optimize cron jobs, significantly speeding up server operations.
- Designed backend architecture to balance complexity, scalability, and reliability.

PROJECTS

VPS Ecommerce Portal - VPS King Cloud Computers Selling Platform

Jan 2023

- Created a VPS selling portal with an integrated UPI payment gateway for seamless transactions.
- Implemented an admin panel to manage users, coupon codes, and VPS variants efficiently.

Linode Manager Bot - Automated Linode Cloud Management via Telegram Bot

Jan 2024

- Automated proxy creation to enhance efficiency and reduce manual intervention.
- Integrated proxy package management and SSH command execution, removing the need for local login.
- Developed a cron job system for automatic proxy creation and deletion, optimizing resources.
- Enabled faster cloud operations compared to the official Linode portal.

ServerSync Portal - Cloud VPS Management Solution

2024

- Built a cloud-based VPS management system with features akin to VPS King Server.
- Integrated API-based automation for VPS deployment, scaling, and monitoring.
- Enhanced user experience with a streamlined, responsive UI.

Sarth Esports Platform - TypeScript, Vue.js, Tailwind CSS, Express.js

Jan 2025 - Present

- Developed a competitive gaming platform for managing esports tournaments.
- Built a real-time leaderboard and ranking system using Vue.js and Express.js.
- Optimized frontend performance with Tailwind CSS for a seamless user experience.

EDUCATION

IITM (DCRUST Murthal)

B.Tech - Computer Science and Engineering

Murthal, Haryana

CERTIFICATIONS

- Node.js - Udemy
- Ethical Hacking - Code Virus Security
- Web Security Fundamentals - Great Learning

EXTRACURRICULAR

- Organized a Webinar on Cybersecurity (2021-2022), educating participants on digital threats and security best practices.
- Developed malware projects for penetration testing, including stealers, hookers, rootkits, and PowerShell scripts using Shannon's entropy.
- Taught Physics to 11th and 12th-grade students (2022-2023), simplifying complex concepts.