MOHIT UCHIT

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SUMMARY

Backend Engineer with experience designing scalable systems using Node.js, MySQL, and Redis. Adept at building efficient APIs, automating business workflows, and integrating third-party services. Passionate about clean architecture and backend reliability.

Proven experience working remotely with international teams (US-based, freelance, and project-based roles). Skilled with remote collaboration tools including GitHub, Bitbucket, Notion, Postman, and Linux-based environments. Open to fully remote opportunities.

TECHNICAL SKILLS

Languages: JavaScript, SQL
Technologies/Frameworks: Node.js, Express.js, MongoDB, Sequelize, Redis, BullMQ
Developer Tools: Git, GitHub, VS Code, Bitbucket, Notion, Postman, MySQL Workbench, Linux, OWASP ZAP, SQLMap, AWS S3, Google OAuth, Microsoft OAuth

WORK EXPERIENCE

Backend Engineer at Truckpedia   Oct 2023 - July 2025
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 25%, 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 30% 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   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   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   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   Jan 2025
- Developed a competitive gaming platform for managing esports tournaments.
- Optimized frontend performance with Tailwind CSS for a seamless user experience.

Truckpedia TMS System   Oct 2023 – July 2025
- Built a QR transport tracking system using Node.js and MySQL.
- Automated customer marketing via email templates and cron jobs.
- Integrated OAuth (Google, Microsoft) for internal tool authentication.
- Used Redis, BullMQ for background job orchestration and optimization.

EDUCATION

DCRUST (Murthal)   Aug 2022 – Present
Bachelor of Technology in Computer Science and Engineering   *Murthal, Haryana*
- Currently pursuing final year with specialization in Computer Science and Engineering (CSE).

CERTIFICATIONS

- Node.js - Udemy
- Ethical Hacking - Code Virus Security
- Web Security Fundamentals - Great Learning
- Node (Basic) Certificate

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.