

Sahil Kumar

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Skills

Languages: JavaScript, TypeScript, SQL, HTML, JQuery, CSS, PHP, LUA

Technologies & Tools: AWS, EC2, S3, MongoDB, ReactJS, NextJS, NodeJS, Git, GitHub

Design: Canva, Figma

Work Experience

Hoping Minds, Mohali

Jan 2024 - Present

Backend Developer - Intern

- Engineered and optimized high-performance backend systems using Node.js for enterprise-level websites, achieving a 40% reduction in response times and ensuring sub-500ms load times for seamless user experience.
- Scaled backend infrastructure to efficiently handle over 100,000 concurrent users during peak traffic periods, ensuring seamless performance, particularly during night-time traffic spikes on a courses website.
- Created robust APIs for a comprehensive grocery website, facilitating seamless communication and interaction between various interfaces including delivery personnel, sellers, customers, and administrators. Delivered ahead of schedule for client satisfaction.
- NodeJS, AWS, EC2, S3, MongoDB, ReactJS, APIs

Upwork, Remote

Sept 2021 - Mar 2023

Full Stack Developer - Freelancer

- Delivered expert solutions to over 100 clients, resolving a diverse range of issues spanning frontend, backend, and database functionalities.
- Successfully completed more than 20 custom projects from inception to deployment, demonstrating proficiency in both frontend and backend development, as well as project management.
- Implemented feedback-driven improvements to client projects, resulting in consistent 4.9/5 ratings, reflecting reliability and the ability to meet project deadlines consistently.

Education

I.K. Gujral Punjab Technical University Jalandhar

Aug 2020 - Jun 2024

B.tech in Electronics and Communication Engineering

CGPA: 7.96/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Internet of things (IoT), Advance Data Structures and Algorithms, Signal Processing, Full Stack Web Development

Project Work

- Courses Selling Website:** Designed the entire backend architecture for a high-traffic courses website utilizing Node.js and MongoDB, alongside implementing a media server on AWS S3 for efficient video streaming. Managed hosting and load distribution with Nginx across multiple servers to ensure seamless performance and scalability.
- Grocerify:** Designed and implemented the full backend infrastructure using Node.js and MongoDB, focusing on optimized authentication, efficient API development, and WebSocket integration for real-time data updates, resulting in enhanced performance and user experience. Used AWS, S3, EC2, NodeJS, MongoDB, Google Cloud
- Gaming Scripts E-Commerce Platform:** Developed and maintained an e-commerce platform, mrsahil scripts, for selling custom gaming scripts for GTA V. Utilized HTML, CSS, jQuery, ReactJS, and Lua programming to create a user-friendly interface. Uploaded and sold eight products to over 700 customers, generating revenue of 8 Lakh.

Awards and Certificates

- Won Techzibition in Cognizance, IIT Roorkee IIT:** Achieved third place in the Tech Exhibition at Cognizance, IIT Roorkee, for developing a machine learning-based blind stick designed to detect surroundings and provide guidance for visually impaired individuals in various conditions. Secured a paid order of 50 sticks from an organization.
- University MOE's Innovation Cell Student Coordinator:** Served as the Student Coordinator for the Ministry of Education's Innovation Cell at IKGPTU, overseeing and facilitating innovative initiatives aimed at fostering creativity and ingenuity among students.
- Python Basic on Hackerrank