SHUBHAM KUMAR

Software Development Engineer - II

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SUMMARY

Experienced Software Development Engineer with over 3 years of expertise in designing and building scalable applications using Node is, Express is, Golang, and cloud platforms like AWS and Azure. Skilled in mentoring teams, implementing industry best practices, and delivering secure, high-performance solutions. Demonstrated success in optimizing system performance, improving user experience, and enhancing operational efficiency.

JavaScript, TypeScript, Golang, HTML, CSS Languages:

Backend Frameworks: Node.js, Express.js, Nest.js, GoFr

Databases: MySQL, MongoDB, Redis, ORM (Sequelize, Prisma, Mongoose)

Cloud & Tools: AWS, Azure, Digital Ocean, Docker, Git, RabbitMQ, Postman, Jira, Swagger

Certifications: Azure Fundamentals AZ-900, JS Algorithms and Data Structures

EXPERIENCE

March 2022 -Present

Codebucket Solutions Pvt. Ltd.

SDE - II

- · Designed and maintained a high-performance API, ensuring data integrity and privacy for large datasets.
- · Resolved performance bottlenecks, enhancing user experience and system performance.
- · Implemented best practices for code maintainability, improving performance by 30% and enhancing scalability to support 50% more users.
- Participated in software architecture design discussions, optimizing system architecture load times by 15%.
- · Conducted over 50 code reviews and initiated regular feedback sessions, improving code quality and reducing production bugs by 20%.
- Mentored and guided 5 junior developers, resulting in a 20% increase in team productivity and fostering a collaborative culture
- Optimized UI and performance for assigned modules, improving data management efficiency and boosting user experience by 25%.
- · Collaborated with cross-functional teams to ensure seamless integration and delivery of projects.

Technologies: NodeJs, ExpressJs, NestJs, Docker, Go, MongoDB, MySQL, Javascript, AWS, Git

Mar 2024 -Present

UpCloud Technologies Pvt. Ltd.

Freelance (weekend)

- · Led the complete overhaul of the backend, facilitating doctor-patient appointment booking, reducing server response time by 50%, and improving user satisfaction by 20%.
- Integrated in-person, voice, and video call features using Agora, enhancing communication capabilities.
- · Implemented payment gateway, AWS SNS, S3, EC2, and OAuth, ensuring seamless functionality and robust security.

Technologies: NodeJs, ExpressJs, MongoDB, AWS, Agora, OAuth, Plivo, Cashfree PG

PROJECTS

MySQL, Docker

Node.js, Express.js Bihar Government's Udyami Yojna Loan Management System

- · Revamped backend, reducing security vulnerabilities by 30%.
- Developed adaptable APIs, cutting development time by 40%.
- Achieved 90% code coverage, reducing bug resolution time by 40%.

Node.js, Express.js MySQL, EJS jQuery, Bootstrap

Ø, Bihar Land Revenue Department's Rajaswa Karamchari App 💊

- · Developed an end-to-end admin panel and API with multi-level authentication, enabling 10k+ administrators with tailored access rights.
- · Managed a database of 40 million records, improving
- · data retrieval efficiency by 30%.

Node.js, Express.js EarnIt app MySQL

- Developed and maintained end-to-end APIs, enhancing data processing speed by 25%.
- Implemented robust data handling and security measures, improving data labelling efficiency and reducing breaches by 40%.
- · Enhanced overall application functionality, contributing to its success.

Node.js, Express.js MySQL, EJS jQuery, Bootstrap

Bihar Minority Department's Loan Management System %

- Developed user and admin applications with integrated payment gateways and automated loan calculations, boosting payment efficiency by **70**% and reducing errors by **50**% through a dynamic payment system with real-time EMI recalculations.
- Delivered a comprehensive solution that prioritized efficiency, flexibility, and data security, enhancing system reliability by **30**%.

EDUCATION

2017 - 2020

2022 - 2024 Chandigarh University

Masters in Computer Application

Marks Obtained 7.0 CGPA

M.M.H.A.P.U, Patna Marks Obtained: 72.17%

Bachelors in Computer Application