Sagar Ved Bairwa

Software Engineer · Java Developer · Backend Developer · Gurugram, Haryana (India)

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Work Experience

Yatra Online Ltd.   *Gurugram, India*
Software Engineer - I   *Jan 2023 - Present*
★ Led the development of pivotal APIs, ensuring multi-profile login and seamless wallet integration, adhering to the scalable MVC model.
★ Directed the creation and optimization of the API-Gateway, pivotal to B2B-Hotels, B2B-Online-Gateway, B2B-Trains, and B2B-Flights projects.
★ Collaborated across diverse teams, translating requirements into functional specifications, showcasing proficiency in troubleshooting, coding, project management, and debugging.
★ Applied expertise in Java, Spring, SpringBoot, Servlets, Velocity, Mongo, and SQL for high-quality, efficient software solutions.
★ Collaborated on MyBookings and SEO projects, amplifying functionality and performance with a Spring-based development focus.
★ Managed user requests for the MyBookings project, ensuring seamless functionality and effective communication.
★ Analyzed and resolved SEO project database issues (Main-seo, Seo-Source, and Seo-Scheduler), achieving a 5% improvement in query response times.
★ Implemented advanced debugging techniques, promptly identifying and resolving website issues, reducing downtime by 15% and enhancing user experience.
★ Conducted agile daily stand-up meetings, propelling project progress and fostering a culture of accountability and thoroughness.

IIIT VADODARA   *Gandhinagar, Gujrat*
Research intern: Knowledge Analysis   *May 2022 - July 2022*
★ Engineered a portable assessment application in Java, elevating the candidate assessment process.
★ Crafted an interactive, user-friendly interface to optimize usability and create a seamless experience.
★ Implemented innovative features, enhancing interactivity and creating a efficient assessment process.
★ Collaborated with cross-functional teams, actively incorporating user feedback to improve usability and performance.

Academic Projects

- **API-Gateway** Developed and managed API Gateway solutions to secure, optimize, and scale Yatra's API. Implemented authentication, authorization, and performance enhancements. Integrated backend services, utilizing monitoring and logging for performance insights. Ensured compliance with industry standards and optimized costs through efficient usage patterns.

  Tech Stack: Java, Spring Boot, Aerospike, Mysql, Mongo, Sl4j

- **Programming Assessment for Acedemics** Developed an application that allows teachers to create quizzes and assign them to classes, while students can take quizzes, receive immediate feedback, and view assigned quizzes. Improved assessment processes and monitoring of student progress

  Tech Stack: Java, Java Swing, Mysql

- **Analysis of Grain and Atom Ciphers** Conducted research in cryptography, focusing on the analysis of the Grain and Atom ciphers. Evaluated their security, identified vulnerabilities, and gained insights into cryptographic principles and algorithms.

  Tech Stack: C, Cryptography

Education

Indian Institute of information technology   *Vadodara, Gujarat*
Bachelor of Technology in Computer and Information Science   *2019 - 2023*
★ Core Courses: Computer Networks, Relational Database Management, Software Engineering, Cryptography, Artificial intelligence, Object-oriented programming, Data Structures, and Algorithms, Distributed and parallel computing. .
★ Elective Courses: Blockchain, Cloud computing, Information Retrieval, Wireless Sensor networks, Modern Algebra, Optimization techniques, Natural Language Processing.

Skills

API Development	Builders(Maven, Gradle), Logging(Sl4j)
Cloud and servers	AWS, Azure, Kubernetes, Linux, Microservices
Database	Aerospike, Mongo, MySQL, Redis
Java Technologies	Spring, Spring Boot, Hibernate, JDBC, JSP
Programming	Bash, C, C++, Java, JSON, LaTeX, Python, XML
Software Development	Bugzilla, Grafana, SDLC, Version Control, Zoho
Tools	Intellij Idea, Eclipse, Postman,Insomina VS Code

Certificates

Dec 2022	**Agile Kanban: Kanban for Software Development Teams**, GenMan Solutions	*Udemy*
Aug 2022	**SQL - The Complete Introduction to SQL Programming**, Yassin Marco	*Udemy*
Jan 2022	**Introduction to Deep Learning**, Nvidia	*Nvidia*
Jun 2021	**Linux course**, NDG Linux Unhatched	*Cisco*
Jan 2021	**Introduction to data visualization**, ShapeAI	*Google Drive*