

NEHAL JAIN

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Result-driven Software Developer with 3+ years of experience in Frontend and Backend with technologies such as Java, Python, SQL, and web/mobile app development. Known for delivering innovative, high-performance solutions and driving large and complex projects at Amazon and Infosys. Adept at collaborating with cross-functional teams in fast-paced environments, and optimizing system performance. Passionate about leveraging cutting-edge technology to solve challenging engineering problems and contribute to team success.

EDUCATION

Master of Technology in Computer Science & Engineering

Aug 2021 – June 2023

Indian Institute of Technology, ISM Dhanbad, Jharkhand, India | GPA 9.62 (Gold-Medalist)

Bachelor Of Technology in Computer Science & Engineering

Aug 2015 – May 2019

Poornima College of Engineering, Jaipur, Rajasthan, India | Percentage: 84.2 (Gold-Medalist)

CORE COMPETENCIES

- **Programming Language:** C, C++, Java (8+), Python, Spring boot
- **Databases:** MySQL, Oracle, SQL Server, MongoDB, PostgreSQL
- **Web Development:** HTML, CSS, JavaScript, TypeScript, React, Angular, Node.js
- **OS:** Windows, Unix/Linux and MacOS
- **Cloud and DevOps:** AWS (EC2, S3, RDS, Lambda, and API Gateway) Cloud, Jenkins, CI/CD, Maven, Git, Docker
- **Tools and Technologies:** JIRA, Postman, SSH, HTTP, REST API, JSON, OAuth2, Microservices, Eclipse, IntelliJ, Junit Testing, Swagger, Confluence
- **Development Methodologies:** Agile, Scrum, OOP, SDLC, TDD, OOD
- **Soft Skills:** Quick Learner, Self-Motivated Leaner, Innovative, excellent verbal and written communication skills, attention to detail

PROFESSIONAL EXPERIENCE

Software Development Engineer | Amazon | India

Jul 2023 – Dec 2023

- Developed and end-to-end tested advanced features into the AtoZ app, utilizing React Native to enhance user experience, high performance, and scalability across platforms.
- Utilized extensive experience in developing and improving software applications using Java, Python, SQL databases, and AWS to design and implement features, optimizing the efficiency and throughput of distributed Global DB tools by 15%.
- Translated user needs into technical specifications in an Agile environment, improving project delivery time by 20%.
- Effectively managed individual tasks, providing regular status updates and collaborated with different stakeholders to create a seamless and efficient development process.
- Analyzed, developed and tested new software programs, and properly documented the entire software development execution.

Software Development Engineer Intern | Amazon | India

May 2022 – Jul 2022

- Proposed and implemented innovative solutions for log parsing and analysis, reducing system response times by 20%.
- Wrote clean, maintainable, and efficient code, participating in code reviews to ensure best practices and standards are followed.
- Demonstrated problem-solving skills by using an organized and logical approach to design a high-performance Java parser for RA/RS logs, improving accessibility, and achieving a response time of 1 ms.

Systems Engineer | Infosys | India

Aug 2019 – Jul 2021

- Collaborated with cross-functional teams to resolve and troubleshoot over 100 complex tickets, leading to a 20% increase in efficiency.
- Conducted system upgrades and implemented shell scripts to optimize system performance, resulting in a 30% increase in efficiency.
- Executed development and L2/L3 support projects, ensuring timely and high-quality delivery.
- Evaluated new technologies for fit with the program/system/eco-system, assessing the associated upstream and downstream impacts on process, data, and risk.
- Took full ownership of projects from inception to deployment, ensuring high-quality delivery and maintenance of software solutions.
- Committed to continuously evolving skills and self-motivated and hungry to stay up-to-date with the latest technology trends.

CERTIFICATIONS

AWS Cloud Practitioner CLF - C02, Date Earned: 03/2024

RESEARCH

Conducted research on "Code-Mixed Language Understanding Using BiLSTM-BERT Multi-attention Fusion Mechanism" including Machine Learning and Natural language processing. The paper was selected for the MIND 2023 conference and will be published in Springer CCIS 2128 proceedings.

PROJECTS:

Fault Management System

Java Springboot, Angular, Oracle

Developed a critical component of network telecom management that provides real-time analysis and support for system faults. The system identifies network faults, generates alarms, and proposes constructive solutions to ensure minimal downtime and increased network reliability.

BeautyPro Manager

Springboot, ThymeLeaf, MySQL

BeautyPro Manager is a comprehensive Business Management Web Application tailored for the beauty industry. Built on Spring Boot and Thymeleaf, it simplifies tasks like customer management, inventory tracking, and user authentication with a user-friendly interface.