

SAMIR ALAM

Senior Software Engineer

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SUMMARY

With over 5 years of professional experience, I'm driven to leverage my expertise in full-stack development, front-end technologies, and cloud solutions to drive product innovation. My career highlight includes leading a project that boosted user engagement by 20%.

EXPERIENCE

Senior Full-Stack Developer, Team Lead

Kathmandu, Nepal

Leapfrog Technology Inc.

11/2023 Present

- Spearheaded the development of a feature-rich analytics platform, integrating HTML5, CSS3, and React, boosting customer insights by 35%
- Orchestrated a seamless migration of key applications to AWS, resulting in a 25% reduction in hosting costs and a 15% improvement in application availability.
- Collaborated closely with cross-functional teams to re-engineer a legacy system using React and Express.js, improving system efficiency by 40%
- Championed CI/CD processes using Travis and Docker, reducing deployment times by 50% and facilitating consistent, daily production updates.
- Authored comprehensive unit and functional test suites for new software modules, leading to a 30% decrease in post deployment bugs detected.
- Directed and supported junior developers using modern frameworks, such as React and Node.js, promoting code quality and maintainability.

Software Engineer II

Kathmandu, Nepal

Leapfrog Technology Inc.

11/2021 11/2023

- Led a 17-member team in Agile Scrum environment, facilitated scrum ceremonies, and liaised with cross-functional teams to launch impactful features, contributing to a 15% increase in team velocity.
- Engineered and maintained an in-house employee management system using ReactJS, NodeJS, Express, NestJS, MySQL, PostgreSQL, and various cloud technologies (EKS, Kubernetes, Docker)
- Spearheaded the migration from lambda to EKS, implementing innovative strategies that increased user capacity by 30% and improved response time by 50%, boosting overall system efficiency and user satisfaction significantly.
- Enhanced user authentication and security by implementing OAuth and JWT, securing user data across platforms.
- Optimized SQL and NoSQL database queries, reducing load times by 20% and enhancing user experience.
- Mentored 10 junior developers in test-driven development and pair programming practices, improving team productivity by 10%

Lecturer (Part-time)

Kathmandu, Nepal

London Metropolitan University

02/2023 Present

- Utilized 4 years of Java industry experience to improve academic concepts, creating and teaching an interactive IT curriculum, leading to an 80% increase in student engagement and performance.
- Conducted an 8-week intensive course on building full-stack applications with React, Node.js, and MySQL. The course covered authentication mechanisms, REST API development, and database management. Students gained hands-on experience and built their own projects by the end of the course.

Assistant Lecturer

Kathmandu, Nepal

London Metropolitan University

02/2020 07/2022

- Instructed undergraduate student's concepts of core Java and inspired them to translate their academic skills to solve real world problems, leading to a 20% increase in student participation in extracurricular IT projects and hackathons.

Freelance Developer

remote

Freelancer

2018 2022

- Developed high-quality code for web and mobile applications, reducing project development time by 30%.
- Demonstrated strong communication and effective project management, ensuring client satisfaction and retention rate of 90%.

Junior Android Developer

Kathmandu

Kantipur Digital Corp

06/2019 12/2019

- Worked on a food ordering mobile app in Java, resulting in project completion 2 weeks ahead of schedule.

EDUCATION

MSc IT in Data Analytics

Kathmandu,

London Metropolitan University

Nepal

02/2023

Bachelor of Science in Computing

London Metropolitan University, GPA 3.4/4.0

Present

Itahari, Nepal

10/2017 10/2021

Honors and Awards: 12th Position in ICT Award 2022, Best FYP, Topper in Visit Nepal 2020 Project Asian Hackathon

SKILLS

PROGRAMMING LANGUAGES & WEB TECHNOLOGIES:

Java, JavaScript, Golang, TypeScript, C, C++, C#, Spring, Python, Express, Node.js, NestJs, ReactJs, Redux, Bootstrap, Materialize, HTML, CSS, Flutter, Android

CLOUD AND BIG DATA TECHNOLOGIES:

AWS, Docker, Kubernetes, CI/CD, Machine Learning, Scrum/Agile, Hadoop, Spark, Hive, Snowflake, NiFi, MySQL, PostgreSQL, MongoDB, Oracle, Cassandra, HBase

MISCELLANEOUS: Git, Rest, GraphQL, Jira, Mocha, Chai, Jest, Scrum/Agile

KEY ACHIEVEMENTS

Lead Project to Boost Engagement

Sole responsibility for a key project that resulted in a 20% expenses upsurge in user engagement through intuitive feature enhancements.

Recognized for Optimizing Costs

Drove a cloud migration initiative that cut hosting by 25%, earning recognition for cost-saving measures.

Mentorship Excellence Award

Awarded for dedication to mentoring junior staff, significantly boosting code quality and team performance.