Ashish Khatiwada

Software Engineer

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Profile

I am an experienced software engineer who is proficient in utilizing new technologies to drive software development improvements. With expertise in industrial and full lifecycle environments, I excel in Java-based settings. My strengths lie in problem-solving, analytical thinking, and design, and I possess excellent communication abilities, which allow me to create and fine-tune new features.

Summary

- In-depth knowledge of the Spring framework, including the Spring Boot and Spring Security modules.
- Understanding of the principles of dependency injection and inversion of control.
- Proficiency in creating RESTful web services using Spring MVC or Spring WebFlux.
- Familiarity with building and deploying Spring applications to cloud platforms such as Google Cloud Platform.
- Experience in integrating Spring applications with popular databases such as MySQL, PostgreSQL, or MongoDB.
- Knowledge of reactive programming and experience using reactive APIs such as Spring WebFlux.
- Ability to use Spring's caching features for improved performance and scalability.
- Understanding of Spring Batch and Spring Integration for managing large-scale data processing and system integration projects.
- Familiarity with testing frameworks such as JUnit and Mockito, and experience in writing unit tests and integration tests.
- Proficiency in using build tools such as Maven or Gradle for managing dependencies and building Spring applications.
- Experience in using Spring Cloud for building and deploying microservices architecture-based applications.
- Understanding of security concepts and practices in Spring applications, including authentication, authorization, and secure communication.
- Strong knowledge of Object Oriented Programming, functional programming, and design patterns such as SOLID principles, Singleton, factory, DI, etc.
- Extensive experience in JIRA for bug tracking and GitHub Action for Continuous Integration and Deployment.
- As a team player, I possess excellent communication skills, troubleshooting skills, debugging skills, and strong analytical problem-solving skills to deliver Technology products and consulting solutions. I am also experienced in Agile Scrum Methodology and have actively participated in daily scrum meetings, sprint review meetings, and scrum Release Planning.

Certificates

CS50's Introduction to Computer Science ⧉
Harvard University

Building Scalable Java Microservices with Spring Boot and Spring Cloud ⧉
Google

Redis for Java Developers ⧉
Redis university

Cybersecurity Essentials ⧉
Cisco

MongoDB for Java Developers
MongoDB University

Java Programming ⧉
Great Learning

Professional Experience

Founder & Tech Lead, *Chiso Tatto Pvt. Ltd.*   06/2025 – Present | Kathmdnu

Standing up an omnichannel liquor venture—pairing a registered storefront with digital experiences that keep orders, riders, and operations in sync.

- Registered Chiso Tatto on 11 Aug 2025 and opened the flagship liquor store to anchor fulfilment and compliance.
- Launched Spring Boot microservices backed by PostgreSQL and Redis for catalogue, purchase orders, cash ledgers, and real-time notifications.
- Delivered a Flutter consumer app and installable PWA so customers can browse, schedule deliveries, and receive Firebase-powered alerts.
- Built a dedicated rider app plus Angular admin workspace to orchestrate assignments, inventory, expenses, and regulatory reporting.

Senior Software Developer,   04/2024 – 06/2025 | Kathmandu
Clusus Information Solutions Pvt. Ltd.

Steered architecture and delivery for mission-critical platforms, pairing deep analysis with hands-on engineering leadership.

- Analysed complex business flows to design modular application enhancements that aligned with stakeholder goals.
- Built high-performing services with high-availability guardrails, keeping production systems reliable under demanding load.
- Owned full lifecycle development—from grooming through release packaging—while insisting on clean, testable code.
- Researched emerging technologies and presented architectural recommendations that accelerated continuous improvement.

Senior Java Developer, *Peace Nepal DOT Com Pvt. Ltd.*   06/2023 – 04/2024 | Lalitpur, Nepal

- Expertise in Spring Boot, utilizing the framework to develop robust and scalable Java-based applications.
- Skilled in SQL database management, ensuring efficient and secure data storage and retrieval.
- Proficient in Docker, using containerization to streamline deployment and enhance the scalability of applications.
- Extensive experience in microservices architecture, including the implementation of gateways and various services for seamless communication and scalability.
- In-depth knowledge of core banking systems (CBS) and transaction management, contributing to developing and maintaining reliable financial systems.
- Successfully handled multiple outsourcing projects, showcasing adaptability and effective project management skills.
- Competent in Azure for Continuous Integration and Continuous Deployment (CICD), demonstrating proficiency in cloud-based development practices.
- Applied skills in orchestrating and automating build, deployment, and testing processes to ensure efficient and error-free software development.
- Adept at managing end-to-end software development life cycle, from conception to delivery, ensuring the successful completion of projects.
- Strong problem-solving skills demonstrated through implementing optimizations and enhancements in various projects.
- Collaborative team leader, having led teams in the successful delivery of software products, leveraging strong leadership and project management abilities.

Software Engineer, *Code Fusion Technologies Pvt. Ltd*   10/2021 – 06/2023 | Kathmandu, Nepal

- As a developer at Code Fusion Technologies, I specialized in growing fields in Nepal such as e-governance, education, and management systems.
- Developed and integrated a Bulk-SMS microservice API into the existing HMIS system, enhancing its functionality and enabling seamless communication with patients.
- Created an Android application for tuberculosis care that included automated data sync in the presence of an internet connection and a QR-based ID scan, streamlining patient data management and improving the patient experience.
- Upgraded the HMIS (Health Management Information System) entirely under the guidelines of the Ministry of Health and Population 2078, ensuring compliance with regulatory standards and improving the system's overall performance.
- Worked on Spring Framework-based applications such as ICMS, PMIS, PIS, SAMYANTRA, and many more, applying my expertise in developing scalable and reliable software solutions
- Worked on integrating DHIS-2 API with HMIS reporting application, providing seamless data exchange between different systems and improving data accuracy and completeness.
- Upgraded the Java of HMIS from Java 8 to Java 17 along with a Spring Framework upgrade, improving the system's security and performance while ensuring compatibility with modern technologies.
- Implemented OAuth2 login for easy user login into the system.
- Implemented data structures to modify previous codes and made drastic optimizations to boot the system, resulting in significant performance improvements and better user experience.
- As a team leader, I skillfully managed a team of six members to deliver successful software products from concept to completion.

- My strong leadership and project management abilities enabled me to effectively oversee multiple projects and processes simultaneously.
- I possess expertise in writing and implementing CI/CD configuration files for various software projects, ensuring seamless and efficient development

Software Engineer, *Inclusive Creation*   02/2021 – 11/2021 | Kathmandu, Nepal

- Developed the backend of Engineering Adda, a comprehensive engineering notes app that offers a one-stop solution for students learning needs.

- Worked closely with the front-end developers and project managers to ensure seamless integration of the app's features and functionality.

- Designed and implemented the app's database schema, API endpoints, and server-side logic using

- Optimized the app's performance and scalability by implementing caching mechanisms, load balancing, and other best practices.

- Conducted thorough testing and debugging to ensure high-quality and error-free code.

- Collaborated with the team to implement new features, fix bugs, and continuously improve the app's user experience.

Ethical Hacking Tutor, *Insight Academy*   03/2017 – 03/2018 | Kathmandu, Nepal

I delivered lectures on the fundamentals of ethical hacking to SEE passed students during a two-month session in 2017 and 2018. By engaging teaching style and strong command of the subject matter it has enabled me to convey complex concepts to the students effectively.

Computer Teacher, *Peace Point Boarding School*   02/2017 – 06/2017 | Kathmandu, Nepal

I instructed students in computer science from the fourth to eighth grade. My comprehensive knowledge of the subject matter, coupled with my ability to create engaging and interactive lessons, enabled me to effectively guide students toward a deeper understanding of the principles and applications of computer science.

Projects

Digital Canteen, *Online canteen application* ⬈   2020 – 2021

- Digital Canteen is designed to reduce crowding around the counter and make the meal ordering procedure easier.
- Implemented a live token numbering system.
- It consists of an admin analytics system, QR creation, and order scanning.

Digital Pahichan ⬈   01/2021 – 05/2021

- Digital Pahichan is a means of making digital government more accessible and straightforward by placing all of the residents' information in a single app
- Can be used to send current location coordinates to police in case of emergency

Hello Kafka ⬈   03/2023 – present

Hello-Kafka is a simple application that receives requests from */api/v1/message* and publishes them to a Kafka topic. It also has an active listener that listens to the published topic and prints the message to the console.
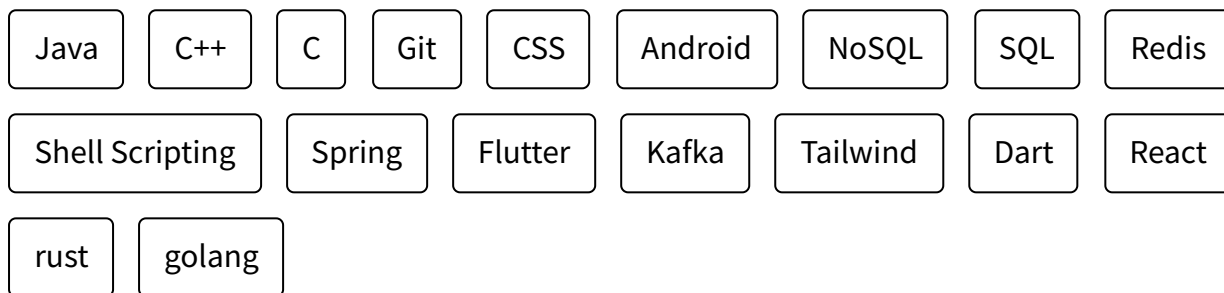
Education

BSc. CSIT (Bachelors of Science in Computer Science and Information Technology), *New Summit College*

Kathmandu, Nepal

I have acquired a diverse and extensive range of computer science and programming skills during my bachelor's degree. I learned programming fundamentals in various languages such as Java, C++, and Python, as well as Object-Oriented Programming principles. I also gained knowledge of data structures, algorithms, database management systems, operating systems, web development frameworks like React computer networks, software engineering, data analysis, and project management techniques using agile methodologies. These skills will be valuable for my future career as a software engineer.

Skills

Java | C++ | C | Git | CSS | Android | NoSQL | SQL | Redis

Shell Scripting | Spring | Flutter | Kafka | Tailwind | Dart | React

rust | golang

Languages

- English
- Nepali
- Hindi

Interests

- Football
- Music