

Gaurav Neupane

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Summary

Knowledgeable software engineer professional with over 5 years of experience designing and developing business-critical applications. Experienced in all stages of software development life cycle using agile methodology. Experience building cloud-based applications using Service Oriented Architecture, Microservices, OPP Paradigm, and Design Patterns to build robust and scalable backend applications.

Experience

Yarsa Labs Kathmandu, Nepal	Backend Developer	2017- 2017 2022 - 2023
- Designed and implemented microservices for a gaming platform utilizing Java and Spring Boot, completely isolating the real-time game server to foster a lag-free gaming environment. Enabled asynchronous communication using Kafka with other services to minimize latency and enhance the overall gameplay experience. - Implemented monitoring solutions with AWS CloudWatch and Prometheus/Grafana for real-time server tracking, resulting in proactive issue resolution and improved uptime. - Involved in TDD using JUnit and Mockito and assured 100% code coverage for backend services. - Enhanced search engine capabilities by configuring Apache Solr for optimized indexing, resulting in a 2X increase in search speed and relevancy. - Implemented containerized deployments on Kubernetes and automated Jenkins CI/CD pipelines, cutting deployment times by 25% while enhancing scalability and release efficiency. - Involved in requirements discussion, sprint planning, development, testing, code reviews and retrospectives.		
Bottle Tech Kathmandu, Nepal	Associate Backend Engineer	2021 - 2022
- Developed and deployed backend APIs within the AWS environment for a trading application, ensuring secure and efficient online trading. - Utilized Kafka to integrate AI based features like OCR and signature removal with Java Spring based application. Efficiently making user easy and increasing user retention rates. - Integrated third party payments such as E-sewa and Khalti to enable seamless online transactions. - Integrated PostgreSQL and MongoDB for managing transactional and non-transactional data, optimizing data retrieval processes for trading operations. - Engaged directly with clients to gather requirements and deliver tailored software solutions, achieving a 100% on-time delivery rate and positive feedback.		
Inspiring Lab Kathmandu, Nepal	Software Developer	2019- 2021
- Collaborated integrating AI into the pollen detection system, transforming the delivery of health-related insights from a 24-hour delay to real-time results, significantly improving the timeliness and accuracy of information provided to users. - Played a key role in integrating Apache Kafka with edge devices and AWS to enable real-time image-based predictions, delivering immediate insights to users. - Developed and deployed a Java Spring in EC2, while leveraging image storage with S3, API gateway, Cognito - Collaborated with US-based clients to analyze requirements, ensuring alignment with health-tech goals and delivering effective solutions.		

Skills

Languages: Java, Python	Databases: PostgreSQL, Redis, MongoDB
Back End: Spring Boot, Fast API, Kafka	Tools: AWS, Git, Jenkins, CI/CD, Docker, Kubernetes
Architecture: Rest API, DDD, Microservices, TDD.	

Education

Master of Science in Computer Science (Current coursework) Maharishi University of Management, Fairfield, Iowa	Bachelor of Computer Science and Information Technology Tribhuvan University, Pokhara, Nepal
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