NARAYAN KHANAL

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LinkedIn

Experienced Software Developer skilled in Java, Python, and cloud technologies. Proven track record in developing scalable microservices and enhancing cybersecurity measures. Demonstrated success in Agile environments, reducing bug rates and deployment times. Passionate about continuous learning and optimizing user-centric solutions.

CAREER SUMMARY

Capital One, McLean, VA   *Mar 2021 – Present*
Software Developer

- ❖ Design and deploy Flexible Points Transfer Platform, a system that allows for the movement of points across the multiplicity of loyalty programs in a seamless manner with a 15% transaction fee reduction while increasing customer satisfaction.
- ❖ Developed the Dynamic Rewards system using Java and Python, dynamically adjusting rewards based on user spending patterns, which increased customer engagement by 20%.
- ❖ Collaborated across Agile teams to design and implement robust cloud-based solutions, increasing project deployment speed by 25% through innovative full-stack development practices.
- ❖ Implemented DB optimization strategies in PostgreSQL, reducing query response times by 40% and enhancing system performance.
- ❖ Enhanced system scalability and response times, through the effective implementation of SOA with Microservices using Spring Boot.
- ❖ Optimized web application performance and user experience by developing interfaces with Angular 11 and implementing responsive design principles, achieving a 90% user satisfaction rate.
- ❖ Conducted thorough code reviews and led technical solution evaluations every sprint, reducing bug rates by 30% and ensuring high-quality software development practices.
- ❖ Managed multiple AWS services, improving data operations, which reduced operational costs and enhanced system reliability.
- ❖ Mentored junior developers on modern programming practices and cloud solutions, enhancing team productivity.

Northern Trust Bank, Chicago, IL   *Aug 2019 – Feb 2021*
Java Software Engineer

- ❖ Engineered an AI-driven Investment Platform leveraging Java and Spring Boot, boosting personalized investment accuracy by 30% through real-time analytics.
- ❖ Designed and implemented a scalable microservices architecture, enhancing system reliability and performance, resulting in a 20% increase in transaction processing speed. Leveraged Java Messaging Services for message queue management.
- ❖ Advocated for and applied Test Driven Development, which reduced bug rates by 40% and improved the quality of financial systems developed with Junit and Mockito.
- ❖ Utilized Spring Framework to streamline application functionality, integrating responsive web designs with HTML5, CSS3, and Angular to improve user engagement metrics.
- ❖ Implemented OAuth 2.0 and Spring AOP to enhance security and monitoring, securing robust gateway management for web services.
- ❖ Optimized build and deployment processes in cloud environments using Pivotal Cloud Foundry, reducing deployment times by 25%.

Fidelity Investments, Raleigh, NC   *June 2018 – Jul 2019*
Software Developer

- ❖ Engineered advanced cybersecurity solutions for financial institutions, utilizing Spring Boot and Microservices to enhance data security, resulting in a 20% reduction in vulnerability to emerging cyber threats.
- ❖ Developed and optimized service layer components with Spring Framework, improving system efficiency and reducing code complexity through the use of Java 8 features like lambda expressions and streams.
- ❖ Implemented a logging system using Spring AOP, enhancing application monitoring and debugging, reducing system downtime.
- ❖ Transitioned from monolithic to microservices architecture, significantly improving application scalability and maintainability, and facilitating seamless service interactions via REST and Apache Kafka.

EDUCATION

The City University of New York, *Bachelor of Science, Computer Science (2022)*

Tribhuwan University, *Bachelor of Science, Mathematics (2013)*

TECHNICAL SKILLS:

Programming Languages:	Java, Python, JavaScript, SQL	**Database Management:**	Oracle SQL, SQL Server, PostgreSQL
Frameworks/Libraries:	Spring (Spring Boot, Spring MVC, Spring Security, Spring AOP, Spring Batch), Angular, JSP, jQuery	**Cloud Technologies:**	AWS, PCF, Docker, Kubernetes
		Version Control & Tools:	Maven, Jenkins, Gradle
		Messaging Systems:	Apache Kafka, RabbitMQ, JMS
Development Practices:	Agile Methodologies, TDD, BDD	**Security Practices:**	OAuth 2.0, Cybersecurity Solutions
Testing Tools:	JUnit, Mockito, Cucumber, SOA Test	**Software Architecture:**	Microservices, SOA
API Development:	RESTful Services, SOAP	**IDEs/Tools:**	Eclipse, IntelliJ IDEA