

Geetika Wadhwa

SOFTWARE ENGINEER - Java Developer, Software Engineer & Technology Analyst

✉ wadhwa.geetika0@gmail.com

☎ +1 236 777 8502

📍 [Surrey](#)

in [LinkedIn](#)

SKILLS

- **Programming Languages:** Java (1.7, 1.8), Python, JavaScript, Bash scripting, Shell scripting, Scala, SAS
- **Libraries & Frameworks:** Springboot, Hibernate, Apache Kafka, RESTful APIs, OpenAPI, JPA, Apache
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, jQuery, AngularJS, React, AJAX, XML, Linux
- **Database Management:** MySQL, SQL, Hive, Impala, MongoDB, PostgreSQL, Cassandra, Oracle DB, SQLite
- **Big Data Tools:** Apache Spark, Apache Hive, Tableau, Hue, HDFS, Apache Pig, Flume, Sqoop, Zeppelin

WORK EXPERIENCE

Technology Analyst

Infosys Limited

February 2021 – Present

India

- Engineered and delivered minimal viable products (MVPs) and proofs-of-concept (POCs) utilizing microservices architecture, containerization, and API-driven integrations, resulting in a 25% reduction in system latency.
- Coordinated 100+ client requirements through direct consultation, enhancing banking applications with secure data transmission protocols such as TLS/SSL and implementing OAuth2 for access control, ensuring compliance.
- Conducted comprehensive training sessions for 15+ team members on advanced Supply Chain Management (SCM) workflows, integrating enterprise resource planning (ERP) tools and automating inventory management.
- Analyzed Apache Spark for distributed data processing, leveraging machine learning algorithms in Python for predictive analytics, resulting in a 40% improvement in data visualization and reporting accuracy.

Senior Software Engineer

Infosys Limited

January 2020 – February 2021

India

- Achieved R3 Corda Developer certification, deploying blockchain frameworks for data storage and consensus algorithms, ensuring decentralized ledger integrity, and improving transaction verification speeds by 30%.
- Designed and developed middleware using Java, Spring Boot, and Corda blockchain layers, utilizing distributed ledger technology (DLT) to optimize data flows, achieving a 40% increase in transaction throughput and auditing.
- Spearheaded backend development for pharmaceutical industry solutions, utilizing RESTful APIs, JSON Web Tokens for secure authentication, and SQL/NoSQL databases, ensuring and reducing data breaches by 70%.
- Led 50+ discussions and workshops on blockchain applications, facilitating knowledge transfer on smart contracts, cryptographic security techniques, and performance tuning, improving team technical capabilities.

Software Developer

CatalystOne Info Solutions Pvt Ltd.

May 2017 – January 2020

India

- Implemented Agile (Scrum) methodologies for the CatalystOne Cloud Management System, improving sprint velocity and integrated CI/CD pipelines using Jenkins and GitLab CI, boosting deployment efficiency by 40%.
- Enhanced real-time user interaction through WebSockets, integrated with Redis for state session management, increasing user engagement by 25% and achieving sub-second response times for real-time notifications.
- Designed GDPR-compliant solutions using encryption techniques like AES-256 and secure data transmission over HTTPS, mitigating data privacy risks for European clients by 50%, ensuring compliance with legal standards.
- Developed and maintained Docker containers with Kubernetes for scaling and cloud environments (AWS, Azure), achieving a 30% improvement in deployment consistency, reducing downtime, and system overhead.

PROJECTS

POC for Kafka and MongoDB Integration

Role: Backend Developer

- Engineered a proof of concept (POC) integrating Apache Kafka for 90% data streaming, utilizing Kafka Streams API and Kafka Connect for data pipeline orchestration, paired with MongoDB's flexible storage.
- Implemented OpenAPI 3.0 specifications to standardize RESTful API endpoints, ensuring seamless data exchange with third-party services and incorporating Swagger UI for interactive API documentation and testing.
- Architected a microservices backend structure with Kafka for message queuing, utilizing MongoDB's aggregation framework for data retrieval and operations, targeting a 30% reduction in query latency for large datasets.

EDUCATION

Post Graduate Diploma in Computer Applications

Panjab University, Chandigarh, India

August 2019 – July 2020

Bachelor of Technology in Electronics and Communications

Rayat-Bahra Institute of Technology, India

August 2010 – May 2014

CERTIFICATIONS

- Oracle Certified Java Associate & R3 Corda Developer Certification