

NIKHIL GANDE

Software Developer

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PROFESSIONAL SUMMARY

A dedicated and skilled Software Engineer with over _ years of experience in designing, developing, and maintaining robust and scalable software solutions. Proficient in Java, Kotlin, J2EE, Spring Frameworks (including Spring Boot), and ORM tools like Hibernate and JPA. Excels in full-stack development, with expertise in front-end technologies such as JavaScript, HTML, CSS, Bootstrap, and advanced UI frameworks like React and Angular. Demonstrates strong proficiency in building back-end services using RESTful APIs, complemented by extensive experience in database design, complex SQL queries, and MongoDB (NoSQL). Well-versed in Git for version control and highly experienced in Agile methodologies. Recognized for exceptional problem-solving skills and a proven ability to collaborate effectively with cross-functional teams to deliver high-quality software. Possesses in-depth knowledge of algorithms, data structures, and design patterns, along with extensive hands-on experience with DevOps tools like Jenkins, Docker, and AWS cloud services. Adept at working in Unix/Linux environments.

TECHNICAL SKILLS

Category	Technologies
Programming Languages	Java (8/11/17), Kotlin, C, J2EE, TypeScript, Python, JavaScript
Frameworks	Spring Framework (MVC, Security, Data JPA, Cloud, WebFlux), Hibernate (ORM, Search, Validator), JSF, Struts 2, NodeJS, SpringBoot, ReactJS
Cloud Platforms	AWS (EC2, RDS, S3, DynamoDB, Lambda, CloudFormation, CloudWatch, CodePipeline, CodeBuild, Elastic Beanstalk), Docker, Kubernetes, Terraform
Mark-up/XML Technologies	XML, XSD, JSON
Web/App Servers	Apache Tomcat, JBoss/WildFly, Jetty
Databases	Oracle, MySQL, PostgreSQL, DB2, MongoDB, Cassandra
Web Services/API Services	REST (JAX-RS, Spring REST), SOAP (JAX-WS), GraphQL, OpenAPI/Swagger
Testing Tools	JUnit, Mockito, TestNG, AssertJ, WireMock, Cucumber, Selenium, JMeter, Postman, Karate
Logging/Others	Log4j/Logback, SLF4J, Micrometer, Prometheus, Grafana
Version Control	Git, GitHub, GitLab, Bitbucket
Development Tools/Environments	Maven, Ant, Eclipse, IntelliJ IDEA, Visual Studio Code, Jira, PyCharm, Jupyter, Gradle
Middleware/Messaging Systems	Apache Kafka, RabbitMQ, ActiveMQ, Apache Camel, Spring JMS
CI/CD Tools	Jenkins, GitLab CI/CD, Docker Hub, AWS CodePipeline, AWS CodeBuild, Bamboo
Other Tools and Technologies	UNIX, Apache Tomcat, Hibernate Search, Apache Cassandra-Spark Connector, Dropwizard, ELK Stack (Elasticsearch, Logstash, Kibana), Ansible, Kubernetes Helm, Perl, JMS (Java Messaging Service), Apache Maven, Shell
Soft Skills	Problem Solving, Communication, Teamwork, Leadership, Adaptability

EXPERIENCE

Bank of Montreal, Chicago IL

Dec 2023 - Present

Software Developer

Project Description:

Frontend Development:

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Backend Development:

- Streamlined application deployments using AWS Elastic Beanstalk, ensuring automatic scaling, load balancing, and resource optimization.
- Successfully deployed the BMO Checking Account Management System on Amazon Web Services (AWS), leveraging EC2 for scalable compute resources, S3 for secure and reliable storage of application data and logs, RDS for managed relational databases, and Lambda using Node.js for serverless, event-driven functions.
- Streamlined application deployments using AWS Elastic Beanstalk, ensuring automatic scaling, load balancing, and resource optimization.
- Automated build, test, and deployment processes by implementing robust CI/CD pipelines using AWS CodePipeline, CodeBuild, and CodeDeploy. This reduced manual intervention, accelerated delivery cycles, and improved reliability.
- Configured automated testing within CI/CD pipelines to validate code changes and ensure high-quality releases, reducing time to market while enhancing software stability.
- Deployed Amazon Kinesis for real-time transaction data streaming, enabling high-velocity data ingestion, processing, and analysis to support timely insights and account activity responsiveness.
- Utilized AWS CloudFormation to automate the provisioning and management of infrastructure. Designed Infrastructure as Code (IaC) templates for consistent and reproducible deployments across development, staging, and production environments.
- Monitored system performance and resource utilization with AWS CloudWatch, creating custom dashboards and alarms to proactively address bottlenecks and ensure application reliability.
- Configured AWS CloudTrail for detailed security auditing and compliance tracking, enabling monitoring of AWS service interactions to detect anomalies and ensure adherence to security standards.
- Orchestrated containerized applications using AWS ECS and AWS EKS for seamless deployment and scaling of Dockerized microservices.
- Applied AWS IAM to enforce fine-grained access control, securing resources with role-based permissions and policies.
- Enhanced fault tolerance and high availability using Auto Scaling Groups, Elastic Load Balancers, and cross-region replication in S3.
- Designed disaster recovery strategies with AWS Backup, ensuring quick and reliable data restoration in case of failures.
- Improved cost efficiency by optimizing EC2 instances with a mix of Spot Instances and Reserved Instances, maintaining high performance while reducing expenses.
- Implemented real-time log analysis and debugging using AWS CloudWatch Logs Insights, ensuring smooth troubleshooting and performance monitoring.
- Designed secure, isolated environments using VPCs, subnets, and security groups to enhance the application's network security and compliance

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Cloud:

Environment:

Universal Orlando, Orlando, FL

Jan 2022 – Nov 2023

Software Developer

Project Description:

Frontend Development:

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Backend Development:

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Cloud :

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Cloud:

Environment:

Kohls, Milwaukee, WI

Nov 2019 – Dec 2021

Software Developer

Project Description:

Frontend Development:

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Backend Development:

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Cloud:

Environment:

Zomato, Hyderabad India

Dec 2016 – October 2019

Software Developer

Project Description:

Frontend Development:

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Backend Development:

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Cloud:

Environment:

EDUCATION

- **Master's in computer science** - University of Missouri-Kansas City, Kansas City, MO.
- **Bachelor of Technology in computer science and Engineering** –Jawaharlal Nehru Technological University Hyderabad.