Backend, Mobile, and Web developer with 9+ years of work experience in different technology stackslike python, java,, and angular. Highly familiar with server-side, servers, databases, and DevOps **t**oolsHaving a keen interest in problem-solving, challenging, and exploration**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PROFESSIONAL SUMMARY:**

* Results-driven Java developer with expertise in J2EE, Spring Boot, and Hibernate. Skilled in designing and implementing robust and scalable applications using these technologies.
* Experienced in utilizing Intellij IDEA and Eclipse as a powerful IDE for Java development, proficient in leveraging its advanced features and plugins to enhance productivity and code quality.
* Seasoned software engineer with extensive knowledge of PostgreSQL, MySQL, PL/SQL and Oracle databases. Proficient in designing efficient database schemas and writing optimized SQL queries for Java applications.
* Skilled in message queuing technologies such as RabbitMQ and ActiveMQ, adept at implementing reliable and efficient messaging systems for seamless communication in Java applications.
* Java professional with expertise in Gradle and Maven for efficient dependency management and build automation. Proficient in managing project dependencies and ensuring smooth development workflows.
* Docker expert with a focus on containerization and deployment of Java applications. Skilled in creating Docker images and managing containerized environments for streamlined deployment.
* Experienced in designing and implementing microservices architectures using Spring Boot and Docker. Proficient in building scalable and resilient microservices-based applications.
* Skilled in API gateway implementation, enabling secure and efficient communication between clients and microservices. Proficient in utilizing technologies like Spring Cloud Gateway and Netflix Zuul.
* Expert in service discovery mechanisms such as Eureka, enabling dynamic registration and discovery of services in distributed systems.
* Knowledgeable in load balancing techniques and technologies to distribute traffic across microservice instances for enhanced performance and fault tolerance.
* Java developer with a strong understanding of RESTful API design and development. Proficient in implementing REST APIs using frameworks like Spring Boot and ensuring adherence to best practices.
* Skilled in object-oriented programming (OOP) and SOLID principles, applying them to create modular and maintainable Java applications.
* Proficient in Secure Shell (SSH) protocol and its implementation for secure communication in Java applications.
* Expert in managing dependencies in Java projects using Gradle and Maven. Skilled in resolving conflicts and ensuring smooth integration of external libraries.
* Experienced in packaging Java applications as JAR or WAR files for deployment on Apache Tomcat or other application servers.
* Skilled in utilizing Eclipse as an IDE for Java development, proficient in leveraging its features and plugins for efficient coding and testing.
* Java developer experienced in writing and executing JUnit tests for thorough unit testing of Java code.
* Proficient in integration testing to validate the interaction and compatibility of different components and services in a Java application.
* Skilled in system testing to verify the functionality, performance, and reliability of Java applications using testing frameworks like Selenium and JUnit.
* Experienced in manual testing using tools like Postman to ensure the quality and proper functioning of Java applications.
* Knowledgeable in Apache Kafka for building distributed streaming platforms, proficient in leveraging Kafka for real-time data processing and event-driven architectures.
* Skilled in utilizing Liquibase migration tools for managing database schema changes and versioning in Springboot applications.
* Experienced in using DataGrip as a database IDE for efficient database management and development.
* Proficient in utilizing Sonar for code quality analysis and ensuring adherence to coding standards and best practices.
* Skilled in using JaCoCo for code coverage analysis, enabling thorough testing and identifying untested code in Java applications.
* Experienced in developing applications using Angular 12 for frontend development and integrating with Java backend services.
* Knowledgeable in utilizing Splunk for log analysis and monitoring in Java applications, enabling efficient troubleshooting and performance optimization.
* Skilled in deploying and managing applications on EC2 instances in AWS, proficient in leveraging EC2 for scalable and reliable hosting of Java applications.
* Experienced in utilizing AWS Lambda for serverless computing, enabling the execution of Java code
* Detail-oriented Java developer with a strong focus on Test-Driven Development (TDD) and Behavior-Driven Development (BDD) methodologies.
* Skilled in writing comprehensive unit tests and automated acceptance tests using frameworks like JUnit, Cucumber, and JBehave. Proficient in utilizing these practices to ensure high-quality, reliable code that meets business requirements.
* Experienced Python Developer with expertise in AWS Lambda, SQLAlchemy, and database management systems like PostgreSQL and MySQL. Proficient in utilizing the Serverless Framework and CloudFormation for developing scalable and cost-effective serverless applications. Strong problem-solving skills and a passion for delivering high-quality software solutions.
* Results-driven Python Developer specializing in AWS Lambda Python programming and proficient in SQLAlchemy for efficient database operations. Experienced in working with PostgreSQL and MySQL databases, ensuring optimal performance and data integrity. Skilled in using the Serverless Framework and CloudFormation to build serverless applications with a focus on scalability and reliability.
* Experienced in data analysis and visualization using Pandas, Anaconda, Matplotlib, and PygWalker.
* Experienced Angular Developer specializing in Java development, adept at building scalable and maintainable web applications. Proficient in utilizing Angular's component-based architecture and Java frameworks to create robust and high-performance applications. Skilled in collaborating with stakeholders to understand requirements and deliver effective solutions

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**TECHNICAL SKILLS:**

**Operating Systems:** Windows, MAC OS, Unix/Linux

**Languages:** Java, J2EE, Python, C

**Java Dependency Resolution:** Maven, Gradle

**Python Libraries:** NumPy, Matplotlib,PygWalker, Pyspark

**Java Frameworks:** Springboot

**Python Frameworks:** Pandas, Flask, Django, Docker

**IDE:** Intellij, VS Code, Eclipse, Jupiter Notebook, VIM, PyCharm, Data Grip, **Databases:** RDBMS (Oracle, SQL Server, MySQL), No SQL (Mongo DB) **Web Technologies:** JavaScript, Angular,jQuery, AWS, Restful Web Services **Other Tools:** Putty, SQL developer, JIRA, Aws CloudFromation, ECS, ECR

**PROFESSIONAL EXPERIENCE:**

**CLIENT: Common Wealth Financial Network NY Sep 2021 - Till the date** **ROLE: LEAD JAVA DEVELOPER WITH PYTHON**

# ROLES & RESPONSIBILITIES:

* Design, develop, and maintain Java applications using the Spring Boot framework, following SOLID principles for clean and modular code.
* Implement database systems using MySQL, Oracle (PL/SQL), and PostgreSQL, including designing schemas, writing optimized queries, and ensuring data integrity.
* Containerize applications using Docker for efficient deployment, scalability, and environment consistency.
* Develop serverless functions and microservices using AWS Lambda with Core Python, leveraging AWS services for scalability and cost-efficiency.
* Write high-quality code in Python 3.8, following coding best practices and maintaining code readability.
* Implement unit tests using JUnit to ensure proper functionality and test coverage of Java code.
* Utilize MockMVC and Mockito frameworks for integration testing, mocking dependencies, and simulating HTTP requests and responses.
* Implement secure authentication and authorization mechanisms using OAuth2 and JWT for user authentication and authorization.
* Implement various database authentication methods, such as username/password, LDAP, or OAuth-based authentication.
* Collaborate with front-end developers to integrate Angular 12 components and develop RESTful APIs for seamless data flow and user interaction.
* Utilize JPA Hibernate for object-relational mapping and database interactions, ensuring efficient and scalable data access.
* Work in an Agile Scrum development environment, participating in sprint planning, daily stand- ups, and retrospectives to deliver software increments iteratively.
* Apply SOLID principles to ensure code maintainability, extensibility, and reusability.
* Utilize the Builder pattern for flexible and fluent object creation, promoting code readability and reducing constructor complexity.
* Deploy applications using AWS ECS (Elastic Container Service) and manage container images using AWS ECR (Elastic Container Registry).
* Used Pandas library for statistical Analysis. Worked on Python Open stack API's.
* Application development for data processing, data validations and business transformations leveraging Hive Context using PySpark.
* Contributed to the design and creation of RESTful APIs using Python/Django/Django Rest Framework.
* Developed web application using the Python and Django REST framework and deploy the API.
* Developed Business Logic using Python on Django Web Framework.
* Used Django Database APIs to access database objects.
* Worked with Python ORM Libraries including Django ORM and have good knowledge on Project management tools. Used Apache to deploy production site.
* Wrote and executed various MYSQL database queries from Python using Python-MySQL connector and MySQL db package.
* Worked in an agile development environment.
* Participated in Business meetings to understand the business needs & requirements.

**ENVIRONMENT:** Java, Python, Springboot, ECS Fargate, PySpark, MVC, Lambda, Matplotlib, Numpy, Pandas, AJAX, JQuery, SOAP, RESTful, HTML5, XHTML, CSS3, SCSS, JavaScript, Bootstrap, Angular.JS, XML, My-SQL, Agile and Windows, MacOs, AWS Ec2, JIRA, Github, Gitlab

# CLIENT: All State, Northfield Township, IL Aug 2019 – July 2021 ROLE: PYTHON DEVELOPER

**ROLES & RESPONSIBILITIES:**

* Translated the customer requirements into design specifications and ensured that the requirements translate into software solution.
* Created Business Logic using Python to create Planning and Tracking functions.
* Worked on Multi-Tier distributed Enterprise applications and data processing automation using Python.
* Performed testing using Django’s Test Module.
* Designed and managed API system deployment using fast http server and Amazon AWS architecture.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Developed user interface solutions using a Django web framework.
* Worked on Python Open stack API's.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
* Worked on Python Scientific packages like NumPy and Pandas to handle data sets.
* Developed Business Logic using Python on Django Web Framework.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Collected, studied, interpreted large datasets, and visualized it using PySpark.
* Carried out various mathematical operations for calculation purpose using Python libraries.
* Worked with JSON based REST Web services.
* Creating unit test/regression test framework for working/new code.
* Using Subversion version control tool to coordinate team-development.
* Developed SQL Queries, Stored Procedures, and Triggers Using Oracle, SQL, and PL/SQL.
* Used GitHub for version control.
* Created PyUnit test cases for unit testing.
* Utilized Agile process and JIRA issue management to track sprint cycles.
* Managed large datasets using Panda data frames and MySQL.
* Supported user groups by handling target-related software issues/service requests, identifying/fixing bugs.

**ENVIRONMENT:** Python, Django, PySpark, Pandas, NumPy, AWS, XML, JSON, REST, PyUnit, GitHub, Jira, Subversion, SQL, MYSQL, Oracle, Agile and Windows.

# Pick And Drop Nepal Pvt. ltd.(Tech Lead)

* Working as a tech lead and system workﬂow for the company’s system and also the architecture of the whole system.
* Working as a mobile application, backend developer, and tech head.
* Managing servers, databases, and CI pipelines for deploying the changes in the server.

# Web Creation Nepal Pvt. ltd.

Part-Time Software Developer from Oct 1, 2016 – April 17, 2017

* Worked as a Freelancer to develop an android application and generate RESTful API for mobile applications.

# Megabyte Pvt. Ltd.

Part-Time Software Engineer from May 1, 2014 – Jan 1, 2015

* Worked as a Freelancer to develop mobile applications and RESTful APIs.

# Sarathi Pvt. Ltd.

Full-Time Software Engineer from March 5, 2013 – Feb 5, 204

* Worked as a Software developer on the project “Sarathi Driver App” and "Sarathi" mobile application.

# Texas Imaginology Pvt. Ltd.

Learned android and Java in the real ﬁeld from Jan 2012 – November 2012

* Worked as an android app developer to develop an android app for the college information system “TICMS”.

# EDUCATION

* Bachelor of Science in Computer Science and Information Technology, Nepal Tribhuvan University Aﬃliation

# TRAINING

* Participated in a 2-week android workshop organized by Texas International College.
* Attended 3 months of Java professional training provided by Texas International College.
* Participated in 2 months of React training at Texas International College.
* Participated in a 2-week Cisco Networking workshop at Texas International College.

