

Snehashish Bommali

Java Full Stack Developer

Professional Summary

- A professional Software Developer with 4+ years of experience in developing and providing solutions for multi-tier distributed applications using JAVA technologies.
- Proficient in developing advanced Machine Learning and AI solutions, specializing in computer vision with hands-on experience in building object detection models using RetinaNets and Convolutional Neural Networks (CNN).
- Adept in implementing a variety of ML algorithms, both supervised and unsupervised, including K-Nearest Neighbors (KNN), Support Vector Machines (SVM), Decision Trees, Random Forests, Naive Bayes, and Single Long-Term Memory Networks (SLTM).
- Demonstrated expertise in leveraging tools and platforms such as Jupyter Notebooks, Google Colab, TensorFlow library, and Kaggle datasets to design and implement machine learning solutions.
- Proven ability to work with diverse datasets and apply a range of algorithms to solve complex problems, showcasing adaptability and versatility in AI applications.
- Strong foundation in neural networks and deep learning methodologies, with practical experience in model optimization and tuning.
- Working knowledge in multi-tiered distributed environment with involvement in Software Development Lifecycle (SDLC).
- Extensive experience in Java programming – JDBC and Servlets.
- Experienced in web development using HTML, CSS, and JavaScript technologies.
- Experience in server-side development using Node.js.
- Experience in development of applications using Spring Boot and Micro Services architecture.
- Experience with building and deploying applications using Gradle and Jenkins.
- Experience in version control and configuration management tools like BitBucket and Git.
- Expertise in developing and consuming Web services including different technologies and standards like XML, and RESTful Web Services.
- Experience in web/application servers such as Apache Tomcat.
- Experience in using IDE Tools like IntelliJ, Visual Studio Code, Spring Tool Suite 4, and Eclipse.
- Expertise in database modelling and development using SQL, NoSQL like MongoDB.
- Knowledge on AWS services such as IAM, S3, EC2, VPC, Route53 and RDS.
- Versatile team player with good communication, analytical, presentation and interpersonal skills.

Technical Skills:

Languages	Java, SQL, UML2.0, Python (Machine Learning and AI)
Technologies	Python Libraries for Machine Learning and AI (NumPy, Pandas, Scikit-Learn, TensorFlow, OpenCV) JavaBeans, JDBC, Spring 3.0, Spring 4, and RESTful.
Web Technologies	HTML, JavaScript, Typescript, XML, CSS, Bootstrap, Angular-JS, React-JS
Development Tools (IDEs)	Jupyter Notebooks (for Python-based ML development) Eclipse3.2/3.0/2.1.1, MS Visual Studio 2016, Spring tool suite 4, IntelliJ
Web/Application Servers	Tomcat 7.x/6.x/5.x,
Data Base	Integration with Python-based database interactions for ML projects Oracle, SQL Server, MySQL8/5.1, Mongo DB.
Platforms	Windows, UNIX, LINUX
Methodologies	Agile Methodology, Extreme Programming
Build Tools	Git, Jenkins, JUnit, Log4j, Maven, Gradle.

Professional Experience:

Client: Prowess Infotech, Visakhapatnam IN

Nov 2022 – Dec 2023

Project Name: Smart Chatbot Integration

Role: Software Engineer (Machine Learning)

Responsibilities:

- Successfully deployed machine learning models into production environments using Flask and FastAPI, ensuring seamless integration with existing systems.
- Created and optimized ML models for tasks such as image classification, natural language processing using libraries like NumPy, Pandas, and Scikit-Learn.
- Integrated models with APIs and databases for real-time data processing and decision-making.
- Conducted exploratory data analysis (EDA) to uncover insights and patterns in datasets, influencing feature selection and model design.
- Optimized machine learning algorithms for scalability, enabling efficient processing of large datasets and high-volume requests.
- Conducted regular code reviews, ensuring high code quality, and providing constructive feedback to team members.
- Proficient in using deployment tools such as Docker and Kubernetes to containerize and scale machine learning applications.
- Utilized continuous integration and continuous deployment (CI/CD) pipelines for automated testing and deployment.
- Maintained comprehensive documentation for machine learning models, algorithms, and deployment processes.
- Enforced coding standards and conducted code refactoring to improve overall code quality and maintainability.
- Stayed abreast of the latest advancements in Python, machine learning, and artificial intelligence through continuous learning and participation in industry conferences and workshops.

Environment: Python, Pandas, Numpy, NLP(NLTK), Flask/FastAPI. Scikit-learn, OpenCV, Tensorflow library.

Client: Alacriti Infosystems pvt ltd, Hyderabad IN

April 2022- Nov -2022

Project Name: VISA API Integration to Automate the subscriptions.

Role: Software Engineer (Java Full stack developer)

Responsibilities:

- Designing and implementation of multi-tier applications using Java 8, JDBC, HTML5, Spring Boot, Angular JS, Servlets, JavaBeans with Eclipse. Developed application using Java platform.
- Working with core technical skills in Java, Multi-Threading, Java 8, Restful Web Services, Hibernate, and JDBC. Developing Applications using latest Java/J2EE technologies such as Java 8, Junit.
- Working with different spring modules like Spring IOC (Dependency Injection), Spring MVC, Spring AOP, Spring Data (JDBC), Spring Boot, Securities.
- Responsible for secure batch data flow to downstream systems using Middleware Java technologies.
- Developed Microservice to provide Restful API utilizing Spring Boot with various frameworks such as Hibernate and JPA.
- Developed Web Based Application using Java and Implemented application-level persistence using JPA.
- Used MongoDB and MySQL databases in Web API development.
- Developed scalable front-end user interfaces using JavaScript, HTML5, CSS3, React.JS, Node.JS, Angular.

- Developed presentation layer using JavaScript based frameworks such as JavaScript, JSON.
- Implemented continuous deployment system with Jenkins, AWS Code Deploy deployment of Java Applications.

Environment: Java, Spring boot, Spring, Hibernate, Microservices, Thymeleaf, JPA, JavaScript, Angular 2, ReactJS, JavaScript, HTML5, CSS3, MySQL, SQL, JSON, JUnit, AWS, EC2, Docker, Hadoop, Maven, Git, Eclipse, Spring Tool Suite, IntelliJ, Linux, Unix, Agile.

Client: DXC Technology pvt ltd, Bengaluru IN

Jan 2021 – April 2022

Project Name: DXCCommerce: E-commerce Website Modernization

Role: Software Engineer (Java Full Stack Developer)

Responsibilities:

- Application enhancement/maintenance in Java 8 using Spring MVC framework and JDBC at the database layer.
- Backend solutions designed with Java 8/REST API architecture.
- Prepare Java development structure for Eclipse, maven.
- Worked on various Spring modules (Spring MVC, DAO, ORM and IOC) along with Hibernate as the back end ORM tool for persistence layer and mapping of POJOs.
- Collaborated with development and operations teams to optimize infrastructure, enhance system reliability, and foster a DevOps culture.
- Development of the interactive UIs for the front-end users using the front-end technologies like HTML5, CSS3, React.JS, XML and JavaScript.
- Implemented AWS solutions using DynamoDB, EBS, EC2, S3, RDS, SNS, Cloud Watch, Elastic Load Balancer, Auto scaling groups. Used AWS SDK to connect with Amazon SQS for bulk email processing.

Environment: Java, Spring, JavaScript, HTML, CSS, SQL, Rest, XML, AWS, EC2, S3, Servlets, JSON, XML, Junit, Postman, Agile, Eclipse, Maven, Linux, Unix, Mac.

Client: Prowess Infotech, Visakhapatnam IN

December 2019 – January 2021

Role: Intern Full stack developer

- Responsible for Coding using Java Servlets, and XML.
- Designed and styled UI screens using HTML, JavaScript, and CSS.
- Developed Web Services for interacting with Backend. Designed Solutions using Hibernate and JPA to interface with the relational database.
- Developed the application using spring framework that leverages model view layer architecture, also Configured Dependency Injection.
- Developed and designed Software Engineering Solutions using Agile Methodology.
- Involved in design, development, and support phases of SDLC.

Environment: Java, Spring boot, Servlets, HTML, CSS, JavaScript, SQL, MySQL, web services, UNIX Linux, and Windows

Educational Background:

- Masters (Computer science) Dec 2024. UTA, Arlington, TX, USA
- B. Tech (Computer Science and Engineering) Spt 2020. VIIT, AP, INDIA