

Indrajeet Kumar

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Aspiring Computer Science Master's Student with a Bachelor's degree in Computer Science and Engineering, seeking opportunities to apply my strong foundation in computer science and a passion for developing applications and software solutions, I have hands-on experience in Software Engineering, Machine Learning, Distributed Systems and Cloud Computing. I bring a versatile skill set that aligns perfectly with cutting-edge technology. I can identify complex problems and propose innovative solutions to them. My dedication to mastering Software Development positions me to drive forward the future of Software Engineering.

TECHNICAL SKILLS

Languages	: Java, Javascript, Python, HTML, CSS	Intermediate: C, C++.
Frameworks and Libraries	: Spring, Spring Boot, Django, Express.js, React.js, Microservices, Hibernate, Scikit-learn, Pandas, TensorFlow, PyTorch	
Databases	: Oracle, SQL Server, MongoDB, MySQL, Postgres, AWS RDS	
Cloud	: AWS(EC2, S3, Lambda, IAM, DynamoDB, Route 53, API Gateway, ECS)	
Containerization	: Docker, Kubernetes	
Tools and technologies	: Git, Kafka, Postman, Jira, Linux, Shell Scripting, Jenkins, Maven, Gradle, IntelliJ IDEA, Eclipse, VS Code, PyCharm Weblogic, JMS, REST API, JSON, XML, Confluence	

EXPERIENCE

Software Developer

Stibo Systems

Sep 2021 - Aug 2023

Onsite – Bangalore, Karnataka, India

- Developed features for an Enterprise Master Data Management (MDM) tool using Java & JavaScript
- Built a React JS widget for large file uploads by splitting and reassembling them on the server. It displayed progress and status, with 25 seconds average upload time for 1GB files.
- Designed and developed REST API using Spring Boot, leveraging features of Stibo Systems R&D team, making them accessible to customers for enhanced integration and functionality.
- Migrated our private cloud infrastructure to a SaaS model using Cassandra as our database, AWS as our cloud provider, and Docker as our container platform resulting in significant cost savings, improved performance.
- Built a data ingestion pipeline processing over 50,000 products, optimizing performance and scalability using Redis for caching.

Associate Consultant

Oracle OFSS

Jul 2019 – Sep 2021

Onsite – Bangalore, Karnataka, India

- Designed, customized, and built a bill payment system through Bank Middleware using a Java Messaging Queue and Spring framework, resulting in increased transaction efficiency.
- Optimized the existing payment flow to reduce the transaction time by 20% and improve the user experience, as evidenced by a 15% increase in customer satisfaction.
- Worked as part of the RTB Team, handling technical requests from end-users at the client location. Responsibilities included resolving errors, monitoring alerts, and escalating issues across procedures and systems. Coordinated with various teams to raise support tickets, analyze root causes, and assist in the efficient resolution of production processes.

EDUCATION

Trinity College Dublin

Dublin, Ireland

Sept 2023 – August 2024

- MSc in Computer Science with a GPA of 3.8/4.0 until the second semester, specializing in Intelligent Systems with an emphasis on the following key areas: Artificial Intelligence, Software Development, Machine Learning, Distributed Systems
- Relevant coursework includes Software Engineering, Artificial Intelligence, Machine Learning, Distributed Systems

- Bachelor of Engineering in Computer Engineering, **First Class with Distinction (8.7 CGPA)**
- Relevant coursework includes Data Structures and Algorithms, Web Development, Operating Systems, Software Engineering, Database Management Systems, Computer Networks

PROJECTS

SavdhanSity

Trinity College Dublin

- Developed a full stack application using ReactJS, Redux Toolkit, and Python Django Rest Framework to provide a decision-support tool for city managers and service providers, optimizing mobility service delivery.
- Designed and implemented scalable and robust RESTful APIs using Python Django Rest Framework, and developed key backend services (Bin Service, Bus Service, Air Quality Service) to enhance data processing and CRUD operations.
- Contributed to the development of a comprehensive system incorporating frontend components like the Dashboard View, Sign Up, and Login Screens using ReactJS and Redux Toolkit

Personal Project Management Tool

Personal Project

- Developed a Personal Project Management Tool using Spring Boot for the backend and React JS for the frontend.
- Designed and implemented features for incident tracking and team collaboration, enhancing team efficiency and organization.
- Built robust RESTful APIs with Spring Boot and created user-friendly frontend components with React JS to ensure a seamless user experience.

CERTIFICATIONS

- **DEV250 – JavaScript Business Rules issued by STIBO Systems**, Aarhus, Denmark - Demonstrate understanding of the scripting SDK when writing JS business rules.